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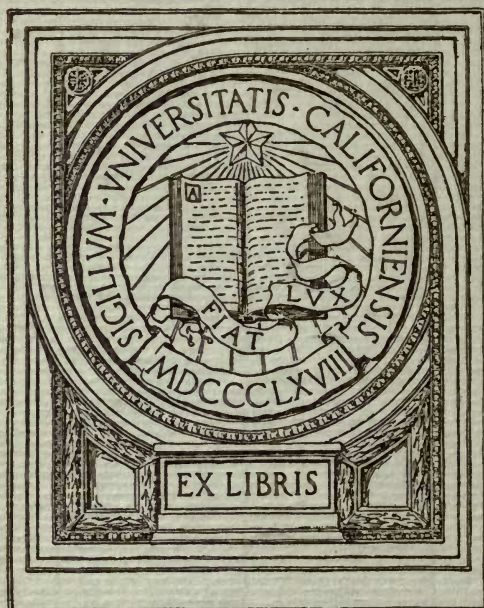
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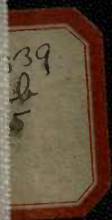
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LOGARITHMIC TABLES

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LOGARITHMIC TABLES

BY

PROF. GEORGE WILLIAM JONES

OF

CORNELL UNIVERSITY.

To promote the detection of errors in the tables, one dollar will be paid
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ITHACA, N. Y.:
DUDLEY F. FINCH.

1889.

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| N | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | Differences. |
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| N | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | Differences. |

| N | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | Differences. |
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| 260 | 414973 | 5140 | 5307 | 5474 | 5641 | 5808 | 5974 | 6141 | 6308 | 6474 | 170 169 168 167 |
| 261 | 6641 | 6807 | 6973 | 7139 | 7306 | 7472 | 7638 | 7804 | 7970 | 8135 | 1 17 17 17 17 |
| 262 | 8301 | 8467 | 8633 | 8798 | 8964 | 9129 | 9295 | 9460 | 9625 | 9791 | 2 34 34 34 33 |
| 263 | 9956 | *121 | *286 | *451 | *616 | *781 | *945 | 1110 | 1275 | 1439 | 3 51 51 50 50 |
| 264 | 421604 | 1768 | 1933 | 2097 | 2261 | 2426 | 2590 | 2754 | 2918 | 3082 | 4 68 68 67 67 |
| 265 | 3246 | 3410 | 3574 | 3737 | 3901 | 4065 | 4228 | 4392 | 4555 | 4718 | 5 85 85 84 84 |
| 266 | 4882 | 5045 | 5208 | 5371 | 5534 | 5697 | 5860 | 6023 | 6186 | 6349 | 6 102 101 101 100 |
| 267 | 6511 | 6674 | 6836 | 6999 | 7161 | 7324 | 7486 | 7648 | 7811 | 7973 | 7 119 118 118 117 |
| 268 | 8135 | 8297 | 8459 | 8621 | 8783 | 8944 | 9106 | 9268 | 9429 | 9591 | 8 136 135 134 134 |
| 269 | 9752 | 9914 | **75 | *236 | *398 | *559 | *720 | *881 | 1042 | 1203 | 9 153 152 151 150 |
| 270 | 431364 | 1525 | 1685 | 1846 | 2007 | 2167 | 2328 | 2488 | 2649 | 2809 | 166 165 164 163 |
| 271 | 2969 | 3130 | 3290 | 3450 | 3610 | 3770 | 3930 | 4090 | 4249 | 4409 | 1 17 17 16 16 |
| 272 | 4569 | 4729 | 4888 | 5048 | 5207 | 5367 | 5526 | 5685 | 5844 | 6004 | 2 33 33 33 33 |
| 273 | 6163 | 6322 | 6481 | 6640 | 6799 | 6957 | 7116 | 7275 | 7433 | 7592 | 3 50 50 49 49 |
| 274 | 7751 | 7909 | 8067 | 8226 | 8384 | 8542 | 8701 | 8859 | 9017 | 9175 | 4 66 66 66 65 |
| 275 | 9333 | 9491 | 9648 | 9806 | 9964 | *122 | *279 | *437 | *594 | *752 | 5 83 83 82 82 |
| 276 | 440909 | 1066 | 1224 | 1381 | 1538 | 1695 | 1852 | 2009 | 2166 | 2323 | 6 100 99 98 98 |
| 277 | 2480 | 2637 | 2793 | 2950 | 3106 | 3263 | 3419 | 3576 | 3732 | 3889 | 7 116 116 115 114 |
| 278 | 4045 | 4201 | 4357 | 4513 | 4669 | 4825 | 4981 | 5137 | 5293 | 5449 | 8 133 132 131 130 |
| 279 | 5604 | 5760 | 5915 | 6071 | 6226 | 6382 | 6537 | 6692 | 6848 | 7003 | 9 149 149 148 147 |
| | | | | | | | | | | | 162 161 160 159 |
| | | | | | | | | | | | 1 16 16 16 16 |
| | | | | | | | | | | | 2 32 32 32 32 |
| | | | | | | | | | | | 3 49 48 48 48 |
| | | | | | | | | | | | 4 65 64 64 64 |
| | | | | | | | | | | | 5 81 81 80 80 |
| | | | | | | | | | | | 6 97 97 96 95 |
| | | | | | | | | | | | 7 113 113 112 111 |
| | | | | | | | | | | | 8 130 129 128 127 |
| | | | | | | | | | | | 9 146 145 144 143 |
| | | | | | | | | | | | 158 157 156 155 |
| | | | | | | | | | | | 1 16 16 16 16 |
| | | | | | | | | | | | 2 32 31 31 31 |
| | | | | | | | | | | | 3 47 47 47 47 |
| | | | | | | | | | | | 4 63 63 62 62 |
| | | | | | | | | | | | 5 79 79 78 78 |
| | | | | | | | | | | | 6 95 94 94 93 |
| | | | | | | | | | | | 7 111 110 109 109 |
| | | | | | | | | | | | 8 126 126 125 124 |
| | | | | | | | | | | | 9 142 141 140 140 |
| N | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | Differences. |

| N | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | Differences. |
|-----|--------|------|------|------|------|------|------|------|------|------|-------------------|
| 280 | 447158 | 7313 | 7468 | 7623 | 7778 | 7933 | 8088 | 8242 | 8397 | 8552 | 155 154 153 152 |
| 281 | 8706 | 8861 | 9015 | 9170 | 9324 | 9478 | 9633 | 9787 | 9941 | **95 | 1 16 15 15 15 |
| 282 | 450249 | 0403 | 0557 | 0711 | 0865 | 1018 | 1172 | 1326 | 1479 | 1633 | 2 31 31 31 30 |
| 283 | 1786 | 1940 | 2093 | 2247 | 2400 | 2553 | 2706 | 2859 | 3012 | 3165 | 3 47 46 46 46 |
| 284 | 3318 | 3471 | 3624 | 3777 | 3930 | 4082 | 4235 | 4387 | 4540 | 4692 | 4 62 62 61 61 |
| 285 | 4845 | 4997 | 5150 | 5302 | 5454 | 5606 | 5758 | 5910 | 6062 | 6214 | 5 78 77 77 76 |
| 286 | 6366 | 6518 | 6670 | 6821 | 6973 | 7125 | 7276 | 7428 | 7579 | 7731 | 6 93 92 92 91 |
| 287 | 7882 | 8033 | 8184 | 8336 | 8487 | 8638 | 8789 | 8940 | 9091 | 9242 | 7 109 108 107 106 |
| 288 | 9322 | 9543 | 9694 | 9845 | 9995 | *146 | *296 | *447 | *597 | *748 | 8 124 123 122 122 |
| 289 | 460898 | 1048 | 1198 | 1348 | 1499 | 1649 | 1799 | 1948 | 2098 | 2248 | 9 140 139 138 137 |
| 290 | 462398 | 2548 | 2697 | 2847 | 2997 | 3146 | 3296 | 3445 | 3594 | 3744 | 151 150 149 148 |
| 291 | 3893 | 4042 | 4191 | 4340 | 4490 | 4639 | 4788 | 4936 | 5085 | 5234 | 1 15 15 15 15 |
| 292 | 5383 | 5532 | 5680 | 5829 | 5977 | 6126 | 6274 | 6423 | 6571 | 6719 | 2 30 30 30 30 |
| 293 | 6868 | 7016 | 7164 | 7312 | 7460 | 7608 | 7756 | 7904 | 8052 | 8200 | 3 45 45 45 44 |
| 294 | 8347 | 8495 | 8643 | 8790 | 8938 | 9085 | 9233 | 9380 | 9527 | 9675 | 4 60 60 60 59 |
| 295 | 9822 | 9969 | *116 | *263 | *410 | *557 | *704 | *851 | *998 | 1145 | 5 76 75 75 74 |
| 296 | 471292 | 1438 | 1585 | 1732 | 1878 | 2025 | 2171 | 2318 | 2464 | 2610 | 6 91 90 89 89 |
| 297 | 2756 | 2903 | 3049 | 3195 | 3341 | 3487 | 3633 | 3779 | 3925 | 4071 | 7 106 105 104 104 |
| 298 | 4216 | 4362 | 4508 | 4653 | 4799 | 4944 | 5090 | 5235 | 5381 | 5526 | 8 121 120 119 118 |
| 299 | 5671 | 5816 | 5962 | 6107 | 6252 | 6397 | 6542 | 6687 | 6832 | 6976 | 9 136 135 134 133 |
| 300 | 477121 | 7266 | 7411 | 7555 | 7700 | 7844 | 7989 | 8133 | 8278 | 8422 | 147 146 145 144 |
| 301 | 8566 | 8711 | 8855 | 8999 | 9143 | 9287 | 9431 | 9575 | 9719 | 9863 | 1 15 15 15 14 |
| 302 | 480007 | 0151 | 0294 | 0438 | 0582 | 0725 | 0869 | 1012 | 1156 | 1299 | 2 29 29 29 29 |
| 303 | 1443 | 1586 | 1729 | 1872 | 2016 | 2159 | 2302 | 2445 | 2588 | 2731 | 3 44 44 44 43 |
| 304 | 2874 | 3016 | 3159 | 3302 | 3445 | 3587 | 3730 | 3872 | 4015 | 4157 | 4 59 58 58 58 |
| 305 | 4300 | 4442 | 4585 | 4727 | 4869 | 5011 | 5153 | 5295 | 5437 | 5579 | 5 74 73 73 72 |
| 306 | 5721 | 5863 | 6005 | 6147 | 6289 | 6430 | 6572 | 6714 | 6855 | 6997 | 6 88 88 87 86 |
| 307 | 7138 | 7280 | 7421 | 7563 | 7704 | 7845 | 7986 | 8127 | 8269 | 8410 | 7 103 102 102 101 |
| 308 | 8551 | 8692 | 8833 | 8974 | 9114 | 9255 | 9396 | 9537 | 9677 | 9818 | 8 118 117 116 115 |
| 309 | 9958 | *999 | *239 | *380 | *520 | *661 | *801 | *941 | 1081 | 1222 | 9 132 131 131 130 |
| 310 | 491362 | 1502 | 1642 | 1782 | 1922 | 2062 | 2201 | 2341 | 2481 | 2621 | 143 142 141 140 |
| 311 | 2760 | 2900 | 3040 | 3179 | 3319 | 3458 | 3597 | 3737 | 3876 | 4015 | 1 14 14 14 14 |
| 312 | 4155 | 4294 | 4433 | 4572 | 4711 | 4850 | 4989 | 5128 | 5267 | 5406 | 2 29 28 28 28 |
| 313 | 5544 | 5683 | 5822 | 5960 | 6099 | 6238 | 6376 | 6515 | 6653 | 6791 | 3 43 43 42 42 |
| 314 | 6930 | 7068 | 7206 | 7344 | 7483 | 7621 | 7759 | 7897 | 8035 | 8173 | 4 57 57 56 56 |
| 315 | 8311 | 8448 | 8586 | 8724 | 8862 | 8999 | 9137 | 9275 | 9412 | 9550 | 5 72 71 71 70 |
| 316 | 9687 | 9824 | 9962 | *999 | *236 | *374 | *511 | *648 | *785 | *922 | 6 86 85 85 84 |
| 317 | 501059 | 1196 | 1333 | 1470 | 1607 | 1744 | 1880 | 2017 | 2154 | 2291 | 7 100 99 99 98 |
| 318 | 2427 | 2564 | 2700 | 2837 | 2973 | 3109 | 3246 | 3382 | 3518 | 3655 | 8 114 114 113 112 |
| 319 | 3791 | 3927 | 4063 | 4199 | 4335 | 4471 | 4607 | 4743 | 4878 | 5014 | 9 129 128 127 126 |
| 320 | 505150 | 5286 | 5421 | 5557 | 5693 | 5828 | 5964 | 6099 | 6234 | 6370 | 139 138 137 136 |
| 321 | 6505 | 6640 | 6776 | 6911 | 7046 | 7181 | 7316 | 7451 | 7586 | 7721 | 1 14 14 14 14 |
| 322 | 7856 | 7991 | 8126 | 8260 | 8395 | 8530 | 8664 | 8799 | 8934 | 9068 | 2 28 28 27 27 |
| 323 | 9203 | 9337 | 9471 | 9606 | 9740 | 9874 | *999 | *143 | *277 | *411 | 3 42 41 41 41 |
| 324 | 510545 | 0679 | 0813 | 0947 | 1081 | 1215 | 1349 | 1482 | 1616 | 1750 | 4 56 55 55 54 |
| 325 | 1883 | 2017 | 2151 | 2284 | 2418 | 2551 | 2684 | 2818 | 2951 | 3084 | 5 70 69 69 68 |
| 326 | 3218 | 3351 | 3484 | 3617 | 3750 | 3883 | 4016 | 4149 | 4282 | 4415 | 6 81 80 80 79 |
| 327 | 4548 | 4681 | 4813 | 4946 | 5079 | 5211 | 5344 | 5476 | 5609 | 5741 | 7 95 94 93 92 |
| 328 | 5874 | 6006 | 6139 | 6271 | 6403 | 6535 | 6668 | 6800 | 6932 | 7064 | 8 108 107 106 106 |
| 329 | 7196 | 7328 | 7460 | 7592 | 7724 | 7855 | 7987 | 8119 | 8251 | 8382 | 9 122 121 120 119 |
| 330 | 518514 | 8646 | 8777 | 8909 | 9040 | 9171 | 9303 | 9434 | 9566 | 9697 | 135 134 133 132 |
| 331 | 9828 | 9959 | *990 | *221 | *353 | *484 | *615 | *745 | *876 | 1007 | 1 14 13 13 13 |
| 332 | 521138 | 1269 | 1400 | 1530 | 1661 | 1792 | 1922 | 2053 | 2183 | 2314 | 2 27 27 27 26 |
| 333 | 2444 | 2575 | 2705 | 2835 | 2966 | 3096 | 3226 | 3356 | 3486 | 3616 | 3 41 40 40 40 |
| 334 | 3746 | 3876 | 4006 | 4136 | 4266 | 4396 | 4526 | 4656 | 4785 | 4915 | 4 54 54 53 53 |
| 335 | 5045 | 5174 | 5304 | 5434 | 5563 | 5693 | 5822 | 5951 | 6081 | 6210 | 5 68 67 67 66 |
| 336 | 6339 | 6469 | 6598 | 6727 | 6856 | 6985 | 7114 | 7243 | 7372 | 7501 | 6 81 80 80 79 |
| 337 | 7630 | 7759 | 7888 | 8016 | 8145 | 8274 | 8402 | 8531 | 8660 | 8788 | 7 95 94 93 92 |
| 338 | 8917 | 9045 | 9174 | 9302 | 9430 | 9559 | 9687 | 9815 | 9943 | *72 | 8 108 107 106 106 |
| 339 | 530200 | 0328 | 0456 | 0584 | 0712 | 0840 | 0968 | 1096 | 1223 | 1351 | 9 122 121 120 119 |
| 330 | 518514 | 8646 | 8777 | 8909 | 9040 | 9171 | 9303 | 9434 | 9566 | 9697 | 131 130 129 128 |
| 331 | 9828 | 9959 | *990 | *221 | *353 | *484 | *615 | *745 | *876 | 1007 | 1 13 13 13 13 |
| 332 | 521138 | 1269 | 1400 | 1530 | 1661 | 1792 | 1922 | 2053 | 2183 | 2314 | 2 26 26 26 26 |
| 333 | 2444 | 2575 | 2705 | 2835 | 2966 | 3096 | 3226 | 3356 | 3486 | 3616 | 3 39 39 39 38 |
| 334 | 3746 | 3876 | 4006 | 4136 | 4266 | 4396 | 4526 | 4656 | 4785 | 4915 | 4 52 52 52 51 |
| 335 | 5045 | 5174 | 5304 | 5434 | 5563 | 5693 | 5822 | 5951 | 6081 | 6210 | 5 66 65 65 64 |
| 336 | 6339 | 6469 | 6598 | 6727 | 6856 | 6985 | 7114 | 7243 | 7372 | 7501 | 6 79 78 77 77 |
| 337 | 7630 | 7759 | 7888 | 8016 | 8145 | 8274 | 8402 | 8531 | 8660 | 8788 | 7 92 91 90 90 |
| 338 | 8917 | 9045 | 9174 | 9302 | 9430 | 9559 | 9687 | 9815 | 9943 | *72 | 8 105 104 103 102 |
| 339 | 530200 | 0328 | 0456 | 0584 | 0712 | 0840 | 0968 | 1096 | 1223 | 1351 | 9 118 117 116 115 |
| N | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | Differences. |

| N | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | Differences. |
|-----|--------|------|------|------|------|------|------|------|------|------|---------------|
| 340 | 531479 | 1607 | 1734 | 1862 | 1990 | 2117 | 2245 | 2372 | 2500 | 2627 | 128 127 126 |
| 341 | 2754 | 2882 | 3009 | 3136 | 3264 | 3391 | 3518 | 3645 | 3772 | 3899 | 1 13 13 13 |
| 342 | 4026 | 4153 | 4280 | 4407 | 4534 | 4661 | 4787 | 4914 | 5041 | 5167 | 2 26 25 25 |
| 343 | 5294 | 5421 | 5547 | 5674 | 5800 | 5927 | 6053 | 6180 | 6306 | 6432 | 3 38 38 38 |
| 344 | 6558 | 6685 | 6811 | 6937 | 7063 | 7189 | 7315 | 7441 | 7567 | 7693 | 4 51 51 50 |
| 345 | 7819 | 7945 | 8071 | 8197 | 8322 | 8448 | 8574 | 8699 | 8825 | 8951 | 5 64 64 63 |
| 346 | 9076 | 9202 | 9327 | 9452 | 9578 | 9703 | 9829 | 9954 | **79 | *204 | 6 77 76 76 |
| 347 | 540329 | 0455 | 0580 | 0705 | 0830 | 0955 | 1080 | 1205 | 1330 | 1454 | 7 90 89 88 |
| 348 | 1579 | 1704 | 1829 | 1953 | 2078 | 2203 | 2327 | 2452 | 2576 | 2701 | 8 102 102 101 |
| 349 | 2825 | 2950 | 3074 | 3199 | 3323 | 3447 | 3571 | 3696 | 3820 | 3944 | 9 115 114 113 |
| 350 | 544068 | 4192 | 4316 | 4440 | 4564 | 4688 | 4812 | 4936 | 5060 | 5183 | 125 124 123 |
| 351 | 5307 | 5431 | 5555 | 5678 | 5802 | 5925 | 6049 | 6172 | 6296 | 6419 | 1 13 12 12 |
| 352 | 6543 | 6666 | 6789 | 6913 | 7036 | 7159 | 7282 | 7405 | 7529 | 7652 | 2 25 25 25 |
| 353 | 7775 | 7898 | 8021 | 8144 | 8267 | 8389 | 8512 | 8635 | 8758 | 8881 | 3 38 37 37 |
| 354 | 9003 | 9126 | 9249 | 9371 | 9494 | 9616 | 9739 | 9861 | 9984 | *106 | 4 50 50 49 |
| 355 | 550228 | 0351 | 0473 | 0595 | 0717 | 0840 | 0962 | 1084 | 1206 | 1328 | 5 63 62 62 |
| 356 | 1450 | 1572 | 1694 | 1816 | 1938 | 2060 | 2181 | 2303 | 2425 | 2547 | 6 75 74 74 |
| 357 | 2668 | 2790 | 2911 | 3033 | 3155 | 3276 | 3398 | 3519 | 3640 | 3762 | 7 88 87 86 |
| 358 | 3883 | 4004 | 4126 | 4247 | 4368 | 4489 | 4610 | 4731 | 4852 | 4973 | 8 100 99 98 |
| 359 | 5094 | 5215 | 5336 | 5457 | 5578 | 5699 | 5820 | 5940 | 6061 | 6182 | 9 113 112 111 |
| 360 | 556303 | 6423 | 6544 | 6664 | 6785 | 6905 | 7026 | 7146 | 7267 | 7387 | 122 121 120 |
| 361 | 7507 | 7627 | 7748 | 7868 | 7988 | 8108 | 8228 | 8349 | 8469 | 8589 | 1 12 12 12 |
| 362 | 8709 | 8829 | 8948 | 9068 | 9188 | 9308 | 9428 | 9548 | 9667 | 9787 | 2 24 24 24 |
| 363 | 9907 | **26 | *146 | *265 | *385 | *504 | *624 | *743 | *863 | *982 | 3 37 36 36 |
| 364 | 561101 | 1221 | 1340 | 1459 | 1578 | 1698 | 1817 | 1936 | 2055 | 2174 | 4 49 48 48 |
| 365 | 2293 | 2412 | 2531 | 2650 | 2769 | 2887 | 3006 | 3125 | 3244 | 3362 | 5 61 61 60 |
| 366 | 3481 | 3600 | 3718 | 3837 | 3955 | 4074 | 4192 | 4311 | 4429 | 4548 | 6 73 73 72 |
| 367 | 4666 | 4784 | 4903 | 5021 | 5139 | 5257 | 5376 | 5494 | 5612 | 5730 | 7 85 84 84 |
| 368 | 5848 | 5966 | 6084 | 6202 | 6320 | 6437 | 6555 | 6673 | 6791 | 6909 | 8 98 97 96 |
| 369 | 7026 | 7144 | 7262 | 7379 | 7497 | 7614 | 7732 | 7849 | 7967 | 8084 | 9 110 109 108 |
| 370 | 568202 | 8319 | 8436 | 8554 | 8671 | 8788 | 8905 | 9023 | 9140 | 9257 | 119 118 117 |
| 371 | 9374 | 9491 | 9608 | 9725 | 9842 | 9959 | **76 | *193 | *309 | *426 | 1 12 12 12 |
| 372 | 570543 | 0600 | 0776 | 0893 | 1010 | 1126 | 1243 | 1359 | 1476 | 1592 | 2 24 24 23 |
| 373 | 1709 | 1825 | 1942 | 2058 | 2174 | 2291 | 2407 | 2523 | 2639 | 2755 | 3 36 35 35 |
| 374 | 2872 | 2988 | 3104 | 3220 | 3336 | 3452 | 3568 | 3684 | 3800 | 3915 | 4 48 47 47 |
| 375 | 4031 | 4147 | 4263 | 4379 | 4494 | 4610 | 4726 | 4841 | 4957 | 5072 | 5 60 59 59 |
| 376 | 5188 | 5303 | 5419 | 5534 | 5650 | 5765 | 5880 | 5996 | 6111 | 6226 | 6 71 71 70 |
| 377 | 6341 | 6457 | 6572 | 6687 | 6802 | 6917 | 7032 | 7147 | 7262 | 7377 | 7 83 83 82 |
| 378 | 7492 | 7607 | 7722 | 7836 | 7951 | 8066 | 8181 | 8295 | 8410 | 8525 | 8 95 94 94 |
| 379 | 8639 | 8754 | 8868 | 8983 | 9097 | 9212 | 9326 | 9441 | 9555 | 9669 | 9 107 106 105 |
| 380 | 579784 | 9898 | **12 | *126 | *241 | *355 | *469 | *583 | *697 | *811 | 116 115 114 |
| 381 | 580925 | 1039 | 1153 | 1267 | 1381 | 1495 | 1608 | 1722 | 1836 | 1950 | 1 12 12 11 |
| 382 | 2063 | 2177 | 2291 | 2404 | 2518 | 2631 | 2745 | 2858 | 2972 | 3085 | 2 23 23 23 |
| 383 | 3199 | 3312 | 3426 | 3539 | 3652 | 3765 | 3879 | 3992 | 4105 | 4218 | 3 35 35 34 |
| 384 | 4331 | 4444 | 4557 | 4670 | 4783 | 4896 | 5009 | 5122 | 5235 | 5348 | 4 46 46 46 |
| 385 | 5461 | 5574 | 5686 | 5799 | 5912 | 6024 | 6137 | 6250 | 6362 | 6475 | 5 58 58 57 |
| 386 | 6587 | 6700 | 6812 | 6925 | 7037 | 7149 | 7262 | 7374 | 7486 | 7599 | 6 70 69 68 |
| 387 | 7711 | 7823 | 7935 | 8047 | 8160 | 8272 | 8384 | 8496 | 8608 | 8720 | 7 81 81 80 |
| 388 | 8832 | 8944 | 9056 | 9167 | 9279 | 9391 | 9503 | 9615 | 9726 | 9838 | 8 93 92 91 |
| 389 | 9950 | **61 | *173 | *284 | *396 | *507 | *619 | *730 | *842 | *953 | 9 104 104 103 |
| 390 | 591065 | 1176 | 1287 | 1399 | 1510 | 1621 | 1732 | 1843 | 1955 | 2066 | 113 112 111 |
| 391 | 2177 | 2288 | 2399 | 2510 | 2621 | 2732 | 2843 | 2954 | 3064 | 3175 | 1 11 11 11 |
| 392 | 3286 | 3397 | 3508 | 3618 | 3729 | 3840 | 3950 | 4061 | 4171 | 4282 | 2 22 22 22 |
| 393 | 4393 | 4503 | 4614 | 4724 | 4834 | 4945 | 5055 | 5165 | 5276 | 5386 | 3 33 33 33 |
| 394 | 5496 | 5606 | 5717 | 5827 | 5937 | 6047 | 6157 | 6267 | 6377 | 6487 | 4 44 44 44 |
| 395 | 6597 | 6707 | 6817 | 6927 | 7037 | 7146 | 7256 | 7366 | 7476 | 7586 | 5 55 55 55 |
| 396 | 7695 | 7805 | 7914 | 8024 | 8134 | 8243 | 8353 | 8462 | 8572 | 8681 | 6 66 66 65 |
| 397 | 8791 | 8900 | 9009 | 9119 | 9228 | 9337 | 9446 | 9556 | 9665 | 9774 | 7 77 76 76 |
| 398 | 9883 | 9992 | *101 | *210 | *319 | *428 | *537 | *646 | *755 | *864 | 8 88 87 87 |
| 399 | 600973 | 1082 | 1191 | 1299 | 1408 | 1517 | 1625 | 1734 | 1843 | 1951 | 9 99 98 98 |
| N | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | Differences. |

| N | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | Differences. |
|-----|--------|------|------|------|------|------|------|------|------|------|--------------|
| 400 | 602060 | 2169 | 2277 | 2386 | 2494 | 2603 | 2711 | 2819 | 2928 | 3036 | 108 107 |
| 401 | 3144 | 3253 | 3361 | 3469 | 3577 | 3686 | 3794 | 3902 | 4010 | 4118 | 1 11 11 |
| 402 | 4226 | 4334 | 4442 | 4550 | 4658 | 4766 | 4874 | 4982 | 5089 | 5197 | 2 22 21 |
| 403 | 5305 | 5413 | 5521 | 5628 | 5736 | 5844 | 5951 | 6059 | 6166 | 6274 | 3 32 32 |
| 404 | 6381 | 6489 | 6596 | 6704 | 6811 | 6919 | 7026 | 7133 | 7241 | 7348 | 4 43 43 |
| 405 | 7455 | 7562 | 7669 | 7777 | 7884 | 7991 | 8098 | 8205 | 8312 | 8419 | 5 54 54 |
| 406 | 8526 | 8633 | 8740 | 8847 | 8954 | 9061 | 9167 | 9274 | 9381 | 9488 | 6 65 64 |
| 407 | 9594 | 9701 | 9808 | 9914 | **21 | *128 | *234 | *341 | *447 | *554 | 7 76 75 |
| 408 | 610600 | 0767 | 0873 | 0979 | 1086 | 1192 | 1298 | 1405 | 1511 | 1617 | 8 86 86 |
| 409 | 1723 | 1829 | 1936 | 2042 | 2148 | 2254 | 2360 | 2466 | 2572 | 2678 | 9 97 96 |
| 410 | 612784 | 2890 | 2996 | 3102 | 3207 | 3313 | 3419 | 3525 | 3630 | 3736 | 106 105 |
| 411 | 3842 | 3947 | 4053 | 4159 | 4264 | 4370 | 4475 | 4581 | 4686 | 4792 | 1 11 11 |
| 412 | 4897 | 5003 | 5108 | 5213 | 5319 | 5424 | 5529 | 5634 | 5740 | 5845 | 2 21 21 |
| 413 | 5950 | 6055 | 6160 | 6265 | 6370 | 6476 | 6581 | 6686 | 6790 | 6895 | 3 32 32 |
| 414 | 7000 | 7105 | 7210 | 7315 | 7420 | 7525 | 7629 | 7734 | 7839 | 7943 | 4 42 41 |
| 415 | 8048 | 8153 | 8257 | 8362 | 8466 | 8571 | 8676 | 8780 | 8884 | 8989 | 5 53 53 |
| 416 | 9093 | 9198 | 9302 | 9406 | 9511 | 9615 | 9719 | 9824 | 9928 | **32 | 6 64 63 |
| 417 | 620136 | 0240 | 0344 | 0448 | 0552 | 0656 | 0760 | 0864 | 0968 | 1072 | 7 74 74 |
| 418 | 1176 | 1280 | 1384 | 1488 | 1592 | 1695 | 1799 | 1903 | 2007 | 2110 | 8 85 84 |
| 419 | 2214 | 2318 | 2421 | 2525 | 2628 | 2732 | 2835 | 2939 | 3042 | 3146 | 9 95 95 |
| 420 | 623249 | 3353 | 3456 | 3559 | 3663 | 3766 | 3869 | 3973 | 4076 | 4179 | 104 103 |
| 421 | 4282 | 4385 | 4488 | 4591 | 4695 | 4798 | 4901 | 5004 | 5107 | 5210 | 1 10 10 |
| 422 | 5312 | 5415 | 5518 | 5621 | 5724 | 5827 | 5929 | 6032 | 6135 | 6238 | 2 21 21 |
| 423 | 6340 | 6443 | 6546 | 6648 | 6751 | 6853 | 6956 | 7058 | 7161 | 7263 | 3 31 31 |
| 424 | 7366 | 7468 | 7571 | 7673 | 7775 | 7878 | 7980 | 8082 | 8185 | 8287 | 4 42 41 |
| 425 | 8389 | 8491 | 8593 | 8695 | 8797 | 8900 | 9002 | 9104 | 9206 | 9308 | 5 52 52 |
| 426 | 9410 | 9512 | 9613 | 9715 | 9817 | 9919 | **21 | *123 | *224 | *326 | 6 62 62 |
| 427 | 630428 | 0530 | 0631 | 0733 | 0835 | 0936 | 1038 | 1139 | 1241 | 1342 | 7 73 72 |
| 428 | 1444 | 1545 | 1647 | 1748 | 1849 | 1951 | 2052 | 2153 | 2255 | 2356 | 8 83 82 |
| 429 | 2457 | 2559 | 2660 | 2761 | 2862 | 2963 | 3064 | 3165 | 3266 | 3367 | 9 94 93 |
| 430 | 633468 | 3569 | 3670 | 3771 | 3872 | 3973 | 4074 | 4175 | 4276 | 4376 | 102 101 |
| 431 | 4477 | 4578 | 4679 | 4779 | 4880 | 4981 | 5081 | 5182 | 5283 | 5383 | 1 10 10 |
| 432 | 5484 | 5584 | 5685 | 5785 | 5886 | 5986 | 6087 | 6187 | 6287 | 6388 | 2 20 20 |
| 433 | 6488 | 6588 | 6688 | 6789 | 6889 | 6989 | 7089 | 7189 | 7290 | 7390 | 3 31 30 |
| 434 | 7490 | 7590 | 7690 | 7790 | 7890 | 7990 | 8090 | 8190 | 8290 | 8389 | 4 41 40 |
| 435 | 8489 | 8589 | 8689 | 8789 | 8888 | 8988 | 9088 | 9188 | 9287 | 9387 | 5 51 51 |
| 436 | 9486 | 9586 | 9686 | 9785 | 9885 | 9984 | **84 | *183 | *283 | *382 | 6 61 61 |
| 437 | 640481 | 0581 | 0680 | 0779 | 0879 | 0978 | 1077 | 1177 | 1276 | 1375 | 7 71 71 |
| 438 | 1474 | 1573 | 1672 | 1771 | 1871 | 1970 | 2069 | 2168 | 2267 | 2366 | 8 82 81 |
| 439 | 2465 | 2563 | 2662 | 2761 | 2860 | 2959 | 3058 | 3156 | 3255 | 3354 | 9 92 91 |
| 440 | 643453 | 3551 | 3650 | 3749 | 3847 | 3946 | 4044 | 4143 | 4242 | 4340 | 100 99 |
| 441 | 4439 | 4537 | 4636 | 4734 | 4832 | 4931 | 5029 | 5127 | 5226 | 5324 | 1 10 10 |
| 442 | 5422 | 5521 | 5619 | 5717 | 5815 | 5913 | 6011 | 6110 | 6208 | 6306 | 2 20 20 |
| 443 | 6404 | 6502 | 6600 | 6698 | 6796 | 6894 | 6992 | 7089 | 7187 | 7285 | 3 30 30 |
| 444 | 7383 | 7481 | 7579 | 7676 | 7774 | 7872 | 7969 | 8067 | 8165 | 8262 | 4 40 40 |
| 445 | 8360 | 8458 | 8555 | 8653 | 8750 | 8848 | 8945 | 9043 | 9140 | 9237 | 5 50 50 |
| 446 | 9335 | 9432 | 9530 | 9627 | 9724 | 9821 | 9919 | **16 | *113 | *210 | 6 60 59 |
| 447 | 650308 | 0405 | 0502 | 0599 | 0696 | 0793 | 0890 | 0987 | 1084 | 1181 | 7 70 69 |
| 448 | 1278 | 1375 | 1472 | 1569 | 1666 | 1762 | 1859 | 1956 | 2053 | 2150 | 8 80 79 |
| 449 | 2246 | 2343 | 2440 | 2536 | 2633 | 2730 | 2826 | 2923 | 3019 | 3116 | 9 90 89 |
| 450 | 653213 | 3309 | 3405 | 3502 | 3598 | 3695 | 3791 | 3888 | 3984 | 4080 | 98 97 |
| 451 | 4177 | 4273 | 4369 | 4465 | 4562 | 4658 | 4754 | 4850 | 4946 | 5042 | 1 10 10 |
| 452 | 5138 | 5235 | 5331 | 5427 | 5523 | 5619 | 5715 | 5810 | 5906 | 6002 | 2 19 19 |
| 453 | 6098 | 6194 | 6290 | 6386 | 6482 | 6577 | 6673 | 6769 | 6864 | 6960 | 3 29 29 |
| 454 | 7056 | 7152 | 7247 | 7343 | 7438 | 7534 | 7629 | 7725 | 7820 | 7916 | 4 38 38 |
| 455 | 8011 | 8107 | 8202 | 8298 | 8393 | 8488 | 8584 | 8679 | 8774 | 8870 | 5 48 48 |
| 456 | 8965 | 9060 | 9155 | 9250 | 9346 | 9441 | 9536 | 9631 | 9726 | 9821 | 6 58 57 |
| 457 | 9916 | **11 | *106 | *201 | *296 | *391 | *486 | *581 | *676 | *771 | 7 67 67 |
| 458 | 660865 | 0960 | 1055 | 1150 | 1245 | 1339 | 1434 | 1529 | 1623 | 1718 | 8 77 76 |
| 459 | 1813 | 1907 | 2002 | 2096 | 2191 | 2286 | 2380 | 2475 | 2569 | 2663 | 9 86 86 |
| N | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | Differences. |

| N | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | Differences. |
|-----|--------|------|------|------|------|------|------|------|------|------|----------------|
| 460 | 662758 | 2852 | 2947 | 3041 | 3135 | 3230 | 3324 | 3418 | 3512 | 3607 | 94 93 1 9 9 |
| 461 | 3701 | 3795 | 3889 | 3983 | 4078 | 4172 | 4266 | 4360 | 4454 | 4548 | 2 19 19 |
| 462 | 4642 | 4736 | 4830 | 4924 | 5018 | 5112 | 5206 | 5299 | 5393 | 5487 | 3 28 28 |
| 463 | 5581 | 5675 | 5769 | 5862 | 5956 | 6050 | 6143 | 6237 | 6331 | 6424 | 4 38 37 |
| 464 | 6518 | 6612 | 6705 | 6799 | 6892 | 6986 | 7079 | 7173 | 7266 | 7360 | 5 47 47 |
| 465 | 7453 | 7546 | 7640 | 7733 | 7826 | 7920 | 8013 | 8106 | 8199 | 8293 | 6 56 56 |
| 466 | 8386 | 8479 | 8572 | 8665 | 8759 | 8852 | 8945 | 9038 | 9131 | 9224 | 7 66 65 |
| 467 | 9317 | 9410 | 9503 | 9596 | 9689 | 9782 | 9875 | 9967 | **00 | *153 | 8 75 74 |
| 468 | 670246 | 0339 | 0431 | 0524 | 0617 | 0710 | 0802 | 0895 | 0988 | 1080 | 9 85 84 |
| 469 | 1173 | 1265 | 1358 | 1451 | 1543 | 1636 | 1728 | 1821 | 1913 | 2005 | 92 91 1 9 9 |
| 470 | 672098 | 2190 | 2283 | 2375 | 2467 | 2560 | 2652 | 2744 | 2836 | 2929 | 2 18 18 |
| 471 | 3021 | 3113 | 3205 | 3297 | 3390 | 3482 | 3574 | 3666 | 3758 | 3850 | 3 28 27 |
| 472 | 3942 | 4034 | 4126 | 4218 | 4310 | 4402 | 4494 | 4586 | 4677 | 4769 | 4 37 36 |
| 473 | 4861 | 4953 | 5045 | 5137 | 5228 | 5320 | 5412 | 5503 | 5595 | 5687 | 5 46 46 |
| 474 | 5778 | 5870 | 5962 | 6053 | 6145 | 6236 | 6328 | 6419 | 6511 | 6602 | 6 55 55 |
| 475 | 6694 | 6785 | 6876 | 6968 | 7059 | 7151 | 7242 | 7333 | 7424 | 7516 | 7 64 64 |
| 476 | 7607 | 7698 | 7789 | 7881 | 7972 | 8063 | 8154 | 8245 | 8336 | 8427 | 8 74 73 |
| 477 | 8518 | 8609 | 8700 | 8791 | 8882 | 8973 | 9064 | 9155 | 9246 | 9337 | 9 83 82 |
| 478 | 9428 | 9519 | 9610 | 9700 | 9791 | 9882 | 9973 | **63 | *154 | *245 | 90 89 1 9 9 |
| 479 | 680336 | 0426 | 0517 | 0607 | 0698 | 0789 | 0879 | 0970 | 1060 | 1151 | 2 18 18 |
| 480 | 681241 | 1332 | 1422 | 1513 | 1603 | 1693 | 1784 | 1874 | 1964 | 2055 | 3 27 27 |
| 481 | 2145 | 2235 | 2326 | 2416 | 2506 | 2596 | 2686 | 2777 | 2867 | 2957 | 4 36 36 |
| 482 | 3047 | 3137 | 3227 | 3317 | 3407 | 3497 | 3587 | 3677 | 3767 | 3857 | 5 45 45 |
| 483 | 3947 | 4037 | 4127 | 4217 | 4307 | 4396 | 4486 | 4576 | 4666 | 4756 | 6 54 53 |
| 484 | 4845 | 4935 | 5025 | 5114 | 5204 | 5294 | 5383 | 5473 | 5563 | 5652 | 7 63 62 |
| 485 | 5742 | 5831 | 5921 | 6010 | 6100 | 6189 | 6279 | 6368 | 6458 | 6547 | 8 72 71 |
| 486 | 6636 | 6726 | 6815 | 6904 | 6994 | 7083 | 7172 | 7261 | 7351 | 7440 | 9 81 80 |
| 487 | 7529 | 7618 | 7707 | 7796 | 7886 | 7975 | 8064 | 8153 | 8242 | 8331 | 88 87 1 9 9 |
| 488 | 8420 | 8509 | 8598 | 8687 | 8776 | 8865 | 8953 | 9042 | 9131 | 9220 | 2 18 17 |
| 489 | 9309 | 9398 | 9486 | 9575 | 9664 | 9753 | 9841 | 9930 | **19 | *107 | 3 26 26 |
| 490 | 690196 | 0285 | 0373 | 0462 | 0550 | 0639 | 0728 | 0816 | 0905 | 0993 | 4 35 35 |
| 491 | 1081 | 1170 | 1258 | 1347 | 1435 | 1524 | 1612 | 1700 | 1789 | 1877 | 5 44 44 |
| 492 | 1965 | 2053 | 2142 | 2230 | 2318 | 2406 | 2494 | 2583 | 2671 | 2759 | 6 53 52 |
| 493 | 2847 | 2935 | 3023 | 3111 | 3199 | 3287 | 3375 | 3463 | 3551 | 3639 | 7 62 61 |
| 494 | 3727 | 3815 | 3903 | 3991 | 4078 | 4166 | 4254 | 4342 | 4430 | 4517 | 8 70 70 |
| 495 | 4605 | 4693 | 4781 | 4868 | 4956 | 5044 | 5131 | 5219 | 5307 | 5394 | 9 79 78 |
| 496 | 5482 | 5569 | 5657 | 5744 | 5832 | 5919 | 6007 | 6094 | 6182 | 6269 | 86 1 9 9 |
| 497 | 6356 | 6444 | 6531 | 6618 | 6706 | 6793 | 6880 | 6968 | 7055 | 7142 | 2 17 17 |
| 498 | 7229 | 7317 | 7404 | 7491 | 7578 | 7665 | 7752 | 7839 | 7926 | 8014 | 3 26 26 |
| 499 | 8101 | 8188 | 8275 | 8362 | 8449 | 8535 | 8622 | 8709 | 8796 | 8883 | 4 34 34 |
| 500 | 698970 | 9057 | 9144 | 9231 | 9317 | 9404 | 9491 | 9578 | 9664 | 9751 | 5 43 43 |
| 501 | 9838 | 9924 | **11 | **98 | *184 | *271 | *358 | *444 | *531 | *617 | 6 52 52 |
| 502 | 700704 | 0790 | 0877 | 0963 | 1050 | 1136 | 1222 | 1309 | 1395 | 1482 | 7 60 60 |
| 503 | 1568 | 1654 | 1741 | 1827 | 1913 | 1999 | 2086 | 2172 | 2258 | 2344 | 8 69 69 |
| 504 | 2431 | 2517 | 2603 | 2689 | 2775 | 2861 | 2947 | 3033 | 3119 | 3205 | 9 77 77 |
| 505 | 3291 | 3377 | 3463 | 3549 | 3635 | 3721 | 3807 | 3893 | 3979 | 4065 | 85 1 9 9 |
| 506 | 4151 | 4236 | 4322 | 4408 | 4494 | 4579 | 4665 | 4751 | 4837 | 4922 | 2 17 17 |
| 507 | 5008 | 5094 | 5179 | 5265 | 5350 | 5436 | 5522 | 5607 | 5693 | 5778 | 3 26 26 |
| 508 | 5864 | 5949 | 6035 | 6120 | 6206 | 6291 | 6376 | 6462 | 6547 | 6632 | 4 34 34 |
| 509 | 6718 | 6803 | 6888 | 6974 | 7059 | 7144 | 7229 | 7315 | 7400 | 7485 | 5 43 43 |
| 510 | 707570 | 7655 | 7740 | 7826 | 7911 | 7996 | 8081 | 8166 | 8251 | 8336 | 6 51 51 |
| 511 | 8421 | 8506 | 8591 | 8676 | 8761 | 8846 | 8931 | 9015 | 9100 | 9185 | 7 60 60 |
| 512 | 9270 | 9355 | 9440 | 9524 | 9609 | 9694 | 9779 | 9863 | 9948 | **33 | 8 68 68 |
| 513 | 710117 | 0202 | 0287 | 0371 | 0456 | 0540 | 0625 | 0710 | 0794 | 0879 | 9 77 77 |
| 514 | 0963 | 1048 | 1132 | 1217 | 1301 | 1385 | 1470 | 1554 | 1639 | 1723 | 85 1 9 9 |
| 515 | 1807 | 1892 | 1976 | 2060 | 2144 | 2229 | 2313 | 2397 | 2481 | 2566 | 2 17 17 |
| 516 | 2650 | 2734 | 2818 | 2902 | 2986 | 3070 | 3154 | 3238 | 3322 | 3407 | 3 25 25 |
| 517 | 3491 | 3575 | 3659 | 3742 | 3826 | 3910 | 3994 | 4078 | 4162 | 4246 | 4 34 34 |
| 518 | 4330 | 4414 | 4497 | 4581 | 4665 | 4749 | 4833 | 4916 | 5000 | 5084 | 5 42 42 |
| 519 | 5167 | 5251 | 5335 | 5418 | 5502 | 5586 | 5669 | 5753 | 5836 | 5920 | 6 50 50 |
| N | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | Differences. |

| N | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | Differences. |
|-----|--------|------|------|------|------|------|------|------|------|------|--------------|
| 520 | 716003 | 6087 | 6170 | 6254 | 6337 | 6421 | 6504 | 6588 | 6671 | 6754 | 83 82 |
| 521 | 6838 | 6921 | 7004 | 7088 | 7171 | 7254 | 7338 | 7421 | 7504 | 7587 | 1 8 8 |
| 522 | 7671 | 7754 | 7837 | 7920 | 8003 | 8086 | 8169 | 8253 | 8336 | 8419 | 2 17 16 |
| 523 | 8502 | 8585 | 8668 | 8751 | 8834 | 8917 | 9000 | 9083 | 9165 | 9248 | 3 25 25 |
| 524 | 9331 | 9414 | 9497 | 9580 | 9663 | 9745 | 9828 | 9911 | 9994 | *77 | 4 33 33 |
| 525 | 720159 | 0242 | 0325 | 0407 | 0490 | 0573 | 0655 | 0738 | 0821 | 0903 | 5 42 41 |
| 526 | 0986 | 1068 | 1151 | 1233 | 1316 | 1398 | 1481 | 1563 | 1646 | 1728 | 6 50 49 |
| 527 | 1811 | 1893 | 1975 | 2058 | 2140 | 2222 | 2305 | 2387 | 2469 | 2552 | 7 58 57 |
| 528 | 2634 | 2716 | 2798 | 2881 | 2963 | 3045 | 3127 | 3209 | 3291 | 3374 | 8 66 66 |
| 529 | 3456 | 3538 | 3620 | 3702 | 3784 | 3866 | 3948 | 4030 | 4112 | 4194 | 9 75 74 |
| 530 | 724276 | 4358 | 4440 | 4522 | 4604 | 4685 | 4767 | 4849 | 4931 | 5013 | 81 80 |
| 531 | 5095 | 5176 | 5258 | 5340 | 5422 | 5503 | 5585 | 5667 | 5748 | 5830 | 1 8 8 |
| 532 | 5912 | 5993 | 6075 | 6156 | 6238 | 6320 | 6401 | 6483 | 6564 | 6646 | 2 16 16 |
| 533 | 6727 | 6809 | 6890 | 6972 | 7053 | 7134 | 7216 | 7297 | 7379 | 7460 | 3 24 24 |
| 534 | 7541 | 7623 | 7704 | 7785 | 7866 | 7948 | 8029 | 8110 | 8191 | 8273 | 4 32 32 |
| 535 | 8354 | 8435 | 8516 | 8597 | 8678 | 8759 | 8841 | 8922 | 9003 | 9084 | 5 40 40 |
| 536 | 9165 | 9246 | 9327 | 9408 | 9489 | 9570 | 9651 | 9732 | 9813 | 9893 | 6 47 47 |
| 537 | 9974 | *55 | *136 | *217 | *298 | *378 | *459 | *540 | *621 | *702 | 7 55 55 |
| 538 | 730782 | 0863 | 0944 | 1024 | 1105 | 1186 | 1266 | 1347 | 1428 | 1508 | 8 63 63 |
| 539 | 1589 | 1669 | 1750 | 1830 | 1911 | 1991 | 2072 | 2152 | 2233 | 2313 | 9 71 71 |
| 540 | 732394 | 2474 | 2555 | 2635 | 2715 | 2796 | 2876 | 2956 | 3037 | 3117 | 78 8 |
| 541 | 3197 | 3278 | 3358 | 3438 | 3518 | 3598 | 3679 | 3759 | 3839 | 3919 | 1 8 8 |
| 542 | 3999 | 4079 | 4160 | 4240 | 4320 | 4400 | 4480 | 4560 | 4640 | 4720 | 2 16 16 |
| 543 | 4800 | 4880 | 4960 | 5040 | 5120 | 5200 | 5279 | 5359 | 5439 | 5519 | 3 23 23 |
| 544 | 5599 | 5679 | 5759 | 5838 | 5918 | 5998 | 6078 | 6157 | 6237 | 6317 | 4 31 31 |
| 545 | 6397 | 6476 | 6556 | 6635 | 6715 | 6795 | 6874 | 6954 | 7034 | 7113 | 5 39 39 |
| 546 | 7193 | 7272 | 7352 | 7431 | 7511 | 7590 | 7670 | 7749 | 7829 | 7908 | 6 47 47 |
| 547 | 7987 | 8067 | 8146 | 8225 | 8305 | 8384 | 8463 | 8543 | 8622 | 8701 | 7 55 55 |
| 548 | 8781 | 8860 | 8939 | 9018 | 9097 | 9177 | 9256 | 9335 | 9414 | 9493 | 8 63 63 |
| 549 | 9572 | 9651 | 9731 | 9810 | 9889 | 9968 | *47 | *126 | *205 | *284 | 9 71 71 |
| 550 | 740363 | 0442 | 0521 | 0600 | 0678 | 0757 | 0836 | 0915 | 0994 | 1073 | 77 8 |
| 551 | 1152 | 1230 | 1309 | 1388 | 1467 | 1546 | 1624 | 1703 | 1782 | 1860 | 1 8 8 |
| 552 | 1939 | 2018 | 2096 | 2175 | 2254 | 2332 | 2411 | 2489 | 2568 | 2647 | 2 15 15 |
| 553 | 2725 | 2804 | 2882 | 2961 | 3039 | 3118 | 3196 | 3275 | 3353 | 3431 | 3 23 23 |
| 554 | 3510 | 3588 | 3667 | 3745 | 3823 | 3902 | 3980 | 4058 | 4136 | 4215 | 4 30 30 |
| 555 | 4293 | 4371 | 4449 | 4528 | 4606 | 4684 | 4762 | 4840 | 4919 | 4997 | 5 38 38 |
| 556 | 5075 | 5153 | 5231 | 5309 | 5387 | 5465 | 5543 | 5621 | 5699 | 5777 | 6 46 46 |
| 557 | 5855 | 5933 | 6011 | 6089 | 6167 | 6245 | 6323 | 6401 | 6479 | 6556 | 7 53 53 |
| 558 | 6634 | 6712 | 6790 | 6868 | 6945 | 7023 | 7101 | 7179 | 7256 | 7334 | 8 61 61 |
| 559 | 7412 | 7489 | 7567 | 7645 | 7722 | 7800 | 7878 | 7955 | 8033 | 8110 | 9 68 68 |
| 560 | 748188 | 8266 | 8343 | 8421 | 8498 | 8576 | 8653 | 8731 | 8808 | 8885 | 76 8 |
| 561 | 8963 | 9040 | 9118 | 9195 | 9272 | 9350 | 9427 | 9504 | 9582 | 9659 | 1 8 8 |
| 562 | 9736 | 9814 | 9891 | 9968 | *45 | *123 | *200 | *277 | *354 | *431 | 2 15 15 |
| 563 | 750508 | 0586 | 0663 | 0740 | 0817 | 0894 | 0971 | 1048 | 1125 | 1202 | 3 23 23 |
| 564 | 1279 | 1356 | 1433 | 1510 | 1587 | 1664 | 1741 | 1818 | 1895 | 1972 | 4 30 30 |
| 565 | 2048 | 2125 | 2202 | 2279 | 2356 | 2433 | 2509 | 2586 | 2663 | 2740 | 5 38 38 |
| 566 | 2816 | 2893 | 2970 | 3047 | 3123 | 3200 | 3277 | 3353 | 3430 | 3506 | 6 46 46 |
| 567 | 3583 | 3660 | 3736 | 3813 | 3889 | 3966 | 4042 | 4119 | 4195 | 4272 | 7 53 53 |
| 568 | 4348 | 4425 | 4501 | 4578 | 4654 | 4730 | 4807 | 4883 | 4960 | 5036 | 8 61 61 |
| 569 | 5112 | 5189 | 5265 | 5341 | 5417 | 5494 | 5570 | 5646 | 5722 | 5799 | 9 68 68 |
| 570 | 755875 | 5951 | 6027 | 6103 | 6180 | 6256 | 6332 | 6408 | 6484 | 6560 | 75 8 |
| 571 | 6636 | 6712 | 6788 | 6864 | 6940 | 7016 | 7092 | 7168 | 7244 | 7320 | 1 8 8 |
| 572 | 7396 | 7472 | 7548 | 7624 | 7700 | 7775 | 7851 | 7927 | 8003 | 8079 | 2 15 15 |
| 573 | 8155 | 8230 | 8306 | 8382 | 8458 | 8533 | 8609 | 8685 | 8761 | 8836 | 3 23 23 |
| 574 | 8912 | 8988 | 9063 | 9139 | 9214 | 9290 | 9366 | 9441 | 9517 | 9592 | 4 30 30 |
| 575 | 9668 | 9743 | 9819 | 9894 | 9970 | *45 | *121 | *196 | *272 | *347 | 5 38 38 |
| 576 | 760422 | 0498 | 0573 | 0649 | 0724 | 0799 | 0875 | 0950 | 1025 | 1101 | 6 45 45 |
| 577 | 1176 | 1251 | 1326 | 1402 | 1477 | 1552 | 1627 | 1702 | 1778 | 1853 | 7 53 53 |
| 578 | 1928 | 2003 | 2078 | 2153 | 2228 | 2303 | 2378 | 2453 | 2529 | 2604 | 8 60 60 |
| 579 | 2679 | 2754 | 2829 | 2904 | 2978 | 3053 | 3128 | 3203 | 3278 | 3353 | 9 68 68 |
| N | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | Differences. |

| N | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | Differences. |
|-----|--------|------|------|------|------|------|------|------|------|------|--------------|
| 580 | 763428 | 3503 | 3578 | 3653 | 3727 | 3802 | 3877 | 3952 | 4027 | 4101 | 75 74 |
| 581 | 4176 | 4251 | 4326 | 4400 | 4475 | 4550 | 4624 | 4699 | 4774 | 4848 | 1 8 7 |
| 582 | 4923 | 4998 | 5072 | 5147 | 5221 | 5296 | 5370 | 5445 | 5520 | 5594 | 2 15 15 |
| 583 | 5609 | 5743 | 5818 | 5892 | 5966 | 6041 | 6115 | 6190 | 6264 | 6338 | 3 23 22 |
| 584 | 6413 | 6487 | 6562 | 6636 | 6710 | 6785 | 6859 | 6933 | 7007 | 7082 | 4 30 30 |
| 585 | 7156 | 7230 | 7304 | 7379 | 7453 | 7527 | 7601 | 7675 | 7749 | 7823 | 5 38 37 |
| 586 | 7898 | 7972 | 8046 | 8120 | 8194 | 8268 | 8342 | 8416 | 8490 | 8564 | 6 45 44 |
| 587 | 8638 | 8712 | 8786 | 8860 | 8934 | 9008 | 9082 | 9156 | 9230 | 9303 | 7 53 52 |
| 588 | 9377 | 9451 | 9525 | 9599 | 9673 | 9746 | 9820 | 9894 | 9968 | **42 | 8 60 59 |
| 589 | 770115 | 0189 | 0263 | 0336 | 0410 | 0484 | 0557 | 0631 | 0705 | 0778 | 9 68 67 |
| 590 | 770852 | 0926 | 0999 | 1073 | 1146 | 1220 | 1293 | 1367 | 1440 | 1514 | 73 7 |
| 591 | 1587 | 1661 | 1734 | 1808 | 1881 | 1955 | 2028 | 2102 | 2175 | 2248 | 1 2 15 |
| 592 | 2322 | 2395 | 2468 | 2542 | 2615 | 2688 | 2762 | 2835 | 2908 | 2981 | 3 22 |
| 593 | 3055 | 3128 | 3201 | 3274 | 3348 | 3421 | 3494 | 3567 | 3640 | 3713 | 4 29 |
| 594 | 3786 | 3860 | 3933 | 4006 | 4079 | 4152 | 4225 | 4298 | 4371 | 4444 | 5 37 |
| 595 | 4517 | 4590 | 4663 | 4736 | 4809 | 4882 | 4955 | 5028 | 5100 | 5173 | 6 44 |
| 596 | 5246 | 5319 | 5392 | 5465 | 5538 | 5610 | 5683 | 5756 | 5829 | 5902 | 7 51 |
| 597 | 5974 | 6047 | 6120 | 6193 | 6265 | 6338 | 6411 | 6483 | 6556 | 6629 | 8 58 |
| 598 | 6701 | 6774 | 6846 | 6919 | 6992 | 7064 | 7137 | 7209 | 7282 | 7354 | 9 66 |
| 599 | 7427 | 7499 | 7572 | 7644 | 7717 | 7789 | 7862 | 7934 | 8006 | 8079 | 72 7 |
| 600 | 778151 | 8224 | 8296 | 8368 | 8441 | 8513 | 8585 | 8658 | 8730 | 8802 | 1 2 14 |
| 601 | 8874 | 8947 | 9019 | 9091 | 9163 | 9236 | 9308 | 9380 | 9452 | 9524 | 3 22 |
| 602 | 9596 | 9669 | 9741 | 9813 | 9885 | 9957 | **29 | *101 | *173 | *245 | 4 29 |
| 603 | 780317 | 0389 | 0461 | 0533 | 0605 | 0677 | 0749 | 0821 | 0893 | 0965 | 5 36 |
| 604 | 1037 | 1109 | 1181 | 1253 | 1324 | 1396 | 1468 | 1540 | 1612 | 1684 | 6 43 |
| 605 | 1755 | 1827 | 1899 | 1971 | 2042 | 2114 | 2186 | 2258 | 2329 | 2401 | 7 50 |
| 606 | 2473 | 2544 | 2616 | 2688 | 2759 | 2831 | 2902 | 2974 | 3046 | 3117 | 8 57 |
| 607 | 3189 | 3260 | 3332 | 3403 | 3475 | 3546 | 3618 | 3689 | 3761 | 3832 | 9 64 |
| 608 | 3904 | 3975 | 4046 | 4118 | 4189 | 4261 | 4332 | 4403 | 4475 | 4546 | 71 7 |
| 609 | 4617 | 4689 | 4760 | 4831 | 4902 | 4974 | 5045 | 5116 | 5187 | 5259 | 1 2 14 |
| 610 | 785330 | 5401 | 5472 | 5543 | 5615 | 5686 | 5757 | 5828 | 5899 | 5970 | 3 22 |
| 611 | 6041 | 6112 | 6183 | 6254 | 6325 | 6396 | 6467 | 6538 | 6609 | 6680 | 4 29 |
| 612 | 6751 | 6822 | 6893 | 6964 | 7035 | 7106 | 7177 | 7248 | 7319 | 7390 | 5 36 |
| 613 | 7460 | 7531 | 7602 | 7673 | 7744 | 7815 | 7885 | 7956 | 8027 | 8098 | 6 43 |
| 614 | 8168 | 8239 | 8310 | 8381 | 8451 | 8522 | 8593 | 8663 | 8734 | 8804 | 7 50 |
| 615 | 8875 | 8946 | 9016 | 9087 | 9157 | 9228 | 9299 | 9369 | 9440 | 9510 | 8 57 |
| 616 | 9581 | 9651 | 9722 | 9792 | 9863 | 9933 | ***4 | **74 | *144 | *215 | 9 64 |
| 617 | 790285 | 0356 | 0426 | 0496 | 0567 | 0637 | 0707 | 0778 | 0848 | 0918 | 70 7 |
| 618 | 0988 | 1059 | 1129 | 1199 | 1269 | 1340 | 1410 | 1480 | 1550 | 1620 | 1 2 14 |
| 619 | 1691 | 1761 | 1831 | 1901 | 1971 | 2041 | 2111 | 2181 | 2252 | 2322 | 3 21 |
| 620 | 792392 | 2462 | 2532 | 2602 | 2672 | 2742 | 2812 | 2882 | 2952 | 3022 | 4 28 |
| 621 | 3092 | 3162 | 3231 | 3301 | 3371 | 3441 | 3511 | 3581 | 3651 | 3721 | 5 35 |
| 622 | 3790 | 3860 | 3930 | 4000 | 4070 | 4139 | 4209 | 4279 | 4349 | 4418 | 6 42 |
| 623 | 4488 | 4558 | 4627 | 4697 | 4767 | 4836 | 4906 | 4976 | 5045 | 5115 | 7 49 |
| 624 | 5185 | 5254 | 5324 | 5393 | 5463 | 5532 | 5602 | 5672 | 5741 | 5811 | 8 56 |
| 625 | 5880 | 5949 | 6019 | 6088 | 6158 | 6227 | 6297 | 6366 | 6436 | 6505 | 9 63 |
| 626 | 6574 | 6644 | 6713 | 6782 | 6852 | 6921 | 6990 | 7060 | 7129 | 7198 | 69 7 |
| 627 | 7268 | 7337 | 7406 | 7475 | 7545 | 7614 | 7683 | 7752 | 7821 | 7890 | 1 2 14 |
| 628 | 7960 | 8029 | 8098 | 8167 | 8236 | 8305 | 8374 | 8443 | 8513 | 8582 | 3 21 |
| 629 | 8651 | 8720 | 8789 | 8858 | 8927 | 8996 | 9065 | 9134 | 9203 | 9272 | 4 28 |
| 630 | 799341 | 9409 | 9478 | 9547 | 9616 | 9685 | 9754 | 9823 | 9892 | 9961 | 5 35 |
| 631 | 800029 | 0098 | 0167 | 0236 | 0305 | 0373 | 0442 | 0511 | 0580 | 0648 | 6 41 |
| 632 | 0717 | 0786 | 0854 | 0923 | 0992 | 1061 | 1129 | 1198 | 1266 | 1335 | 7 48 |
| 633 | 1404 | 1472 | 1541 | 1609 | 1678 | 1747 | 1815 | 1884 | 1952 | 2021 | 8 55 |
| 634 | 2089 | 2158 | 2226 | 2295 | 2363 | 2432 | 2500 | 2568 | 2637 | 2705 | 9 62 |
| 635 | 2774 | 2842 | 2910 | 2979 | 3047 | 3116 | 3184 | 3252 | 3321 | 3389 | 68 8 |
| 636 | 3457 | 3525 | 3594 | 3662 | 3730 | 3798 | 3867 | 3935 | 4003 | 4071 | 1 7 |
| 637 | 4139 | 4208 | 4276 | 4344 | 4412 | 4480 | 4548 | 4616 | 4685 | 4753 | 2 14 |
| 638 | 4821 | 4889 | 4957 | 5025 | 5093 | 5161 | 5229 | 5297 | 5365 | 5433 | 3 20 |
| 639 | 5501 | 5569 | 5637 | 5705 | 5773 | 5841 | 5908 | 5976 | 6044 | 6112 | 4 27 |
| 635 | 2774 | 2842 | 2910 | 2979 | 3047 | 3116 | 3184 | 3252 | 3321 | 3389 | 5 34 |
| 636 | 3457 | 3525 | 3594 | 3662 | 3730 | 3798 | 3867 | 3935 | 4003 | 4071 | 6 41 |
| 637 | 4139 | 4208 | 4276 | 4344 | 4412 | 4480 | 4548 | 4616 | 4685 | 4753 | 7 48 |
| 638 | 4821 | 4889 | 4957 | 5025 | 5093 | 5161 | 5229 | 5297 | 5365 | 5433 | 8 54 |
| 639 | 5501 | 5569 | 5637 | 5705 | 5773 | 5841 | 5908 | 5976 | 6044 | 6112 | 9 61 |
| N | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | Differences. |

| N | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | Differences. |
|-----|--------|------|------|------|------|------|------|------|------|------|--------------|
| 640 | 806180 | 6248 | 6316 | 6384 | 6451 | 6519 | 6587 | 6655 | 6723 | 6790 | 68 67 |
| 641 | 6858 | 6926 | 6994 | 7061 | 7129 | 7197 | 7264 | 7332 | 7400 | 7467 | 1 7 7 |
| 642 | 7535 | 7603 | 7670 | 7738 | 7806 | 7873 | 7941 | 8008 | 8076 | 8143 | 2 14 13 |
| 643 | 8211 | 8279 | 8346 | 8414 | 8481 | 8549 | 8616 | 8684 | 8751 | 8818 | 3 20 20 |
| 644 | 8886 | 8953 | 9021 | 9088 | 9156 | 9223 | 9290 | 9358 | 9425 | 9492 | 4 27 27 |
| 645 | 9560 | 9627 | 9694 | 9762 | 9829 | 9896 | 9964 | **31 | **98 | *165 | 5 34 34 |
| 646 | 810233 | 0300 | 0367 | 0434 | 0501 | 0569 | 0636 | 0703 | 0770 | 0837 | 6 41 40 |
| 647 | 0904 | 0971 | 1039 | 1106 | 1173 | 1240 | 1307 | 1374 | 1441 | 1508 | 7 48 47 |
| 648 | 1575 | 1642 | 1709 | 1776 | 1843 | 1910 | 1977 | 2044 | 2111 | 2178 | 8 54 54 |
| 649 | 2245 | 2312 | 2379 | 2445 | 2512 | 2579 | 2646 | 2713 | 2780 | 2847 | 9 61 60 |
| 650 | 812913 | 2980 | 3047 | 3114 | 3181 | 3247 | 3314 | 3381 | 3448 | 3514 | 66 7 |
| 651 | 3581 | 3648 | 3714 | 3781 | 3848 | 3914 | 3981 | 4048 | 4114 | 4181 | 1 13 |
| 652 | 4248 | 4314 | 4381 | 4447 | 4514 | 4581 | 4647 | 4714 | 4780 | 4847 | 2 20 |
| 653 | 4913 | 4980 | 5046 | 5113 | 5179 | 5246 | 5312 | 5378 | 5445 | 5511 | 3 26 |
| 654 | 5578 | 5644 | 5711 | 5777 | 5843 | 5910 | 5976 | 6042 | 6109 | 6175 | 4 33 |
| 655 | 6241 | 6308 | 6374 | 6440 | 6506 | 6573 | 6639 | 6705 | 6771 | 6838 | 5 40 |
| 656 | 6904 | 6970 | 7036 | 7102 | 7169 | 7235 | 7301 | 7367 | 7433 | 7499 | 6 46 |
| 657 | 7565 | 7631 | 7698 | 7764 | 7830 | 7896 | 7962 | 8028 | 8094 | 8160 | 7 53 |
| 658 | 8226 | 8292 | 8358 | 8424 | 8490 | 8556 | 8622 | 8688 | 8754 | 8820 | 8 59 |
| 659 | 8885 | 8951 | 9017 | 9083 | 9149 | 9215 | 9281 | 9346 | 9412 | 9478 | 9 59 |
| 660 | 819544 | 9610 | 9676 | 9741 | 9807 | 9873 | 9939 | ***4 | **70 | *136 | 65 7 |
| 661 | 820201 | 0267 | 0333 | 0399 | 0464 | 0530 | 0595 | 0661 | 0727 | 0792 | 1 13 |
| 662 | 0858 | 0924 | 0989 | 1055 | 1120 | 1186 | 1251 | 1317 | 1382 | 1448 | 2 20 |
| 663 | 1514 | 1579 | 1645 | 1710 | 1775 | 1841 | 1906 | 1972 | 2037 | 2103 | 3 26 |
| 664 | 2168 | 2233 | 2299 | 2364 | 2430 | 2495 | 2560 | 2626 | 2691 | 2756 | 4 33 |
| 665 | 2822 | 2887 | 2952 | 3018 | 3083 | 3148 | 3213 | 3279 | 3344 | 3409 | 5 39 |
| 666 | 3474 | 3539 | 3605 | 3670 | 3735 | 3800 | 3865 | 3930 | 3996 | 4061 | 6 46 |
| 667 | 4126 | 4191 | 4256 | 4321 | 4386 | 4451 | 4516 | 4581 | 4646 | 4711 | 7 53 |
| 668 | 4776 | 4841 | 4906 | 4971 | 5036 | 5101 | 5166 | 5231 | 5296 | 5361 | 8 59 |
| 669 | 5426 | 5491 | 5556 | 5621 | 5686 | 5751 | 5815 | 5880 | 5945 | 6010 | 9 59 |
| 670 | 826075 | 6140 | 6204 | 6269 | 6334 | 6399 | 6464 | 6528 | 6593 | 6658 | 64 6 |
| 671 | 6723 | 6787 | 6852 | 6917 | 6981 | 7046 | 7111 | 7175 | 7240 | 7305 | 1 13 |
| 672 | 7369 | 7434 | 7499 | 7563 | 7628 | 7692 | 7757 | 7821 | 7886 | 7951 | 2 19 |
| 673 | 8015 | 8080 | 8144 | 8209 | 8273 | 8338 | 8402 | 8467 | 8531 | 8595 | 3 26 |
| 674 | 8660 | 8724 | 8789 | 8853 | 8918 | 8982 | 9046 | 9111 | 9175 | 9239 | 4 32 |
| 675 | 9304 | 9368 | 9432 | 9497 | 9561 | 9625 | 9690 | 9754 | 9818 | 9882 | 5 38 |
| 676 | 9947 | **11 | **75 | *139 | *204 | *268 | *332 | *396 | *460 | *525 | 6 45 |
| 677 | 830589 | 0653 | 0717 | 0781 | 0845 | 0909 | 0973 | 1037 | 1102 | 1166 | 7 51 |
| 678 | 1230 | 1294 | 1358 | 1422 | 1486 | 1550 | 1614 | 1678 | 1742 | 1806 | 8 58 |
| 679 | 1870 | 1934 | 1998 | 2062 | 2126 | 2189 | 2253 | 2317 | 2381 | 2445 | 9 58 |
| 680 | 832509 | 2573 | 2637 | 2700 | 2764 | 2828 | 2892 | 2956 | 3020 | 3083 | 63 6 |
| 681 | 3147 | 3211 | 3275 | 3338 | 3402 | 3466 | 3530 | 3593 | 3657 | 3721 | 1 13 |
| 682 | 3784 | 3848 | 3912 | 3975 | 4039 | 4103 | 4166 | 4230 | 4294 | 4357 | 2 19 |
| 683 | 4421 | 4484 | 4548 | 4611 | 4675 | 4739 | 4802 | 4866 | 4929 | 4993 | 3 25 |
| 684 | 5056 | 5120 | 5183 | 5247 | 5310 | 5373 | 5437 | 5500 | 5564 | 5627 | 4 32 |
| 685 | 5691 | 5754 | 5817 | 5881 | 5944 | 6007 | 6071 | 6134 | 6197 | 6261 | 5 38 |
| 686 | 6324 | 6387 | 6451 | 6514 | 6577 | 6641 | 6704 | 6767 | 6830 | 6894 | 6 45 |
| 687 | 6957 | 7020 | 7083 | 7146 | 7210 | 7273 | 7336 | 7399 | 7462 | 7525 | 7 51 |
| 688 | 7588 | 7652 | 7715 | 7778 | 7841 | 7904 | 7967 | 8030 | 8093 | 8156 | 8 37 |
| 689 | 8219 | 8282 | 8345 | 8408 | 8471 | 8534 | 8597 | 8660 | 8723 | 8786 | 9 43 |
| 690 | 838849 | 8912 | 8975 | 9038 | 9101 | 9164 | 9227 | 9289 | 9352 | 9415 | 8 50 |
| 691 | 9478 | 9541 | 9604 | 9667 | 9729 | 9792 | 9855 | 9918 | 9981 | **43 | 9 56 |
| 692 | 840106 | 0169 | 0232 | 0294 | 0357 | 0420 | 0482 | 0545 | 0608 | 0671 | 61 6 |
| 693 | 0733 | 0796 | 0859 | 0921 | 0984 | 1046 | 1109 | 1172 | 1234 | 1297 | 1 12 |
| 694 | 1359 | 1422 | 1485 | 1547 | 1610 | 1672 | 1735 | 1797 | 1860 | 1922 | 2 18 |
| 695 | 1985 | 2047 | 2110 | 2172 | 2235 | 2297 | 2360 | 2422 | 2484 | 2547 | 3 24 |
| 696 | 2609 | 2672 | 2734 | 2796 | 2859 | 2921 | 2983 | 3046 | 3108 | 3170 | 4 31 |
| 697 | 3233 | 3295 | 3357 | 3420 | 3482 | 3544 | 3606 | 3669 | 3731 | 3793 | 5 37 |
| 698 | 3855 | 3918 | 3980 | 4042 | 4104 | 4166 | 4229 | 4291 | 4353 | 4415 | 6 43 |
| 699 | 4477 | 4539 | 4601 | 4664 | 4726 | 4788 | 4850 | 4912 | 4974 | 5036 | 7 49 |
| N | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | Differences. |

| N | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | Differences. |
|------------|--------|------|------|------|------|------|------|------|------|------|--------------|
| 700 | 845098 | 5160 | 5222 | 5284 | 5346 | 5408 | 5470 | 5532 | 5594 | 5656 | |
| 701 | 5718 | 5780 | 5842 | 5904 | 5966 | 6028 | 6090 | 6151 | 6213 | 6275 | 62 |
| 702 | 6337 | 6399 | 6461 | 6523 | 6585 | 6646 | 6708 | 6770 | 6832 | 6894 | 1 6 |
| 703 | 6955 | 7017 | 7079 | 7141 | 7202 | 7264 | 7326 | 7388 | 7449 | 7511 | 2 12 |
| 704 | 7573 | 7634 | 7696 | 7758 | 7819 | 7881 | 7943 | 8004 | 8066 | 8128 | 3 19 |
| | | | | | | | | | | | 4 25 |
| 705 | 8189 | 8251 | 8312 | 8374 | 8435 | 8497 | 8559 | 8620 | 8682 | 8743 | 5 31 |
| 706 | 8805 | 8866 | 8928 | 8989 | 9051 | 9112 | 9174 | 9235 | 9297 | 9358 | 6 37 |
| 707 | 9419 | 9481 | 9542 | 9604 | 9665 | 9726 | 9788 | 9849 | 9911 | 9972 | 7 43 |
| 708 | 850033 | 0095 | 0156 | 0217 | 0279 | 0340 | 0401 | 0462 | 0524 | 0585 | 8 50 |
| 709 | 0646 | 0707 | 0769 | 0830 | 0891 | 0952 | 1014 | 1075 | 1136 | 1197 | 9 56 |
| 710 | 851258 | 1320 | 1381 | 1442 | 1503 | 1564 | 1625 | 1686 | 1747 | 1809 | |
| 711 | 1870 | 1931 | 1992 | 2053 | 2114 | 2175 | 2236 | 2297 | 2358 | 2419 | 61 |
| 712 | 2480 | 2541 | 2602 | 2663 | 2724 | 2785 | 2846 | 2907 | 2968 | 3029 | 1 6 |
| 713 | 3090 | 3150 | 3211 | 3272 | 3333 | 3394 | 3455 | 3516 | 3577 | 3637 | 2 12 |
| 714 | 3698 | 3759 | 3820 | 3881 | 3941 | 4002 | 4063 | 4124 | 4185 | 4245 | 3 18 |
| | | | | | | | | | | | 4 24 |
| 715 | 4306 | 4367 | 4428 | 4488 | 4549 | 4610 | 4670 | 4731 | 4792 | 4852 | 5 31 |
| 716 | 4913 | 4974 | 5034 | 5095 | 5156 | 5216 | 5277 | 5337 | 5398 | 5459 | 6 37 |
| 717 | 5519 | 5580 | 5640 | 5701 | 5761 | 5822 | 5882 | 5943 | 6003 | 6064 | 7 43 |
| 718 | 6124 | 6185 | 6245 | 6306 | 6366 | 6427 | 6487 | 6548 | 6608 | 6668 | 8 49 |
| 719 | 6729 | 6789 | 6850 | 6910 | 6970 | 7031 | 7091 | 7152 | 7212 | 7272 | 9 55 |
| 720 | 857332 | 7393 | 7453 | 7513 | 7574 | 7634 | 7694 | 7755 | 7815 | 7875 | |
| 721 | 7935 | 7995 | 8056 | 8116 | 8176 | 8236 | 8297 | 8357 | 8417 | 8477 | 60 |
| 722 | 8537 | 8597 | 8657 | 8718 | 8778 | 8838 | 8898 | 8958 | 9018 | 9078 | 1 6 |
| 723 | 9138 | 9198 | 9258 | 9318 | 9379 | 9439 | 9499 | 9559 | 9619 | 9679 | 2 12 |
| 724 | 9739 | 9799 | 9859 | 9918 | 9978 | **38 | **98 | *158 | *218 | *278 | 3 18 |
| | | | | | | | | | | | 4 24 |
| 725 | 860338 | 0398 | 0458 | 0518 | 0578 | 0637 | 0697 | 0757 | 0817 | 0877 | 5 30 |
| 726 | 0937 | 0996 | 1056 | 1116 | 1176 | 1236 | 1295 | 1355 | 1415 | 1475 | 6 36 |
| 727 | 1534 | 1594 | 1654 | 1714 | 1773 | 1833 | 1893 | 1952 | 2012 | 2072 | 7 42 |
| 728 | 2131 | 2191 | 2251 | 2310 | 2370 | 2430 | 2489 | 2549 | 2608 | 2668 | 8 48 |
| 729 | 2728 | 2787 | 2847 | 2906 | 2966 | 3025 | 3085 | 3144 | 3204 | 3263 | 9 54 |
| 730 | 863323 | 3382 | 3442 | 3501 | 3561 | 3620 | 3680 | 3739 | 3799 | 3858 | |
| 731 | 3917 | 3977 | 4036 | 4096 | 4155 | 4214 | 4274 | 4333 | 4392 | 4452 | 59 |
| 732 | 4511 | 4570 | 4630 | 4689 | 4748 | 4808 | 4867 | 4926 | 4985 | 5045 | 1 6 |
| 733 | 5104 | 5163 | 5222 | 5282 | 5341 | 5400 | 5459 | 5519 | 5578 | 5637 | 2 12 |
| 734 | 5696 | 5755 | 5814 | 5874 | 5933 | 5992 | 6051 | 6110 | 6169 | 6228 | 3 18 |
| | | | | | | | | | | | 4 24 |
| 735 | 6287 | 6346 | 6405 | 6465 | 6524 | 6583 | 6642 | 6701 | 6760 | 6819 | 5 30 |
| 736 | 6878 | 6937 | 6996 | 7055 | 7114 | 7173 | 7232 | 7291 | 7350 | 7409 | 6 35 |
| 737 | 7467 | 7526 | 7585 | 7644 | 7703 | 7762 | 7821 | 7880 | 7939 | 7998 | 7 41 |
| 738 | 8056 | 8115 | 8174 | 8233 | 8292 | 8350 | 8409 | 8468 | 8527 | 8586 | 8 47 |
| 739 | 8644 | 8703 | 8762 | 8821 | 8879 | 8938 | 8997 | 9056 | 9114 | 9173 | 9 53 |
| 740 | 869232 | 9290 | 9349 | 9408 | 9466 | 9525 | 9584 | 9642 | 9701 | 9760 | |
| 741 | 9818 | 9877 | 9935 | 9994 | **53 | *111 | *170 | *228 | *287 | *345 | 58 |
| 742 | 870404 | 0462 | 0521 | 0579 | 0638 | 0696 | 0755 | 0813 | 0872 | 0930 | 1 6 |
| 743 | 0989 | 1047 | 1106 | 1164 | 1223 | 1281 | 1339 | 1398 | 1456 | 1515 | 2 12 |
| 744 | 1573 | 1631 | 1690 | 1748 | 1806 | 1865 | 1923 | 1981 | 2040 | 2098 | 3 17 |
| | | | | | | | | | | | 4 23 |
| 745 | 2156 | 2215 | 2273 | 2331 | 2389 | 2448 | 2506 | 2564 | 2622 | 2681 | 5 29 |
| 746 | 2739 | 2797 | 2855 | 2913 | 2972 | 3030 | 3088 | 3146 | 3204 | 3262 | 6 35 |
| 747 | 3321 | 3379 | 3437 | 3495 | 3553 | 3611 | 3669 | 3727 | 3785 | 3844 | 7 41 |
| 748 | 3902 | 3960 | 4018 | 4076 | 4134 | 4192 | 4250 | 4308 | 4366 | 4424 | 8 46 |
| 749 | 4482 | 4540 | 4598 | 4656 | 4714 | 4772 | 4830 | 4888 | 4945 | 5003 | 9 52 |
| 750 | 875061 | 5119 | 5177 | 5235 | 5293 | 5351 | 5409 | 5466 | 5524 | 5582 | |
| 751 | 5640 | 5698 | 5756 | 5813 | 5871 | 5929 | 5987 | 6045 | 6102 | 6160 | 57 |
| 752 | 6218 | 6276 | 6333 | 6391 | 6449 | 6507 | 6564 | 6622 | 6680 | 6737 | 1 6 |
| 753 | 6795 | 6853 | 6910 | 6968 | 7026 | 7083 | 7141 | 7199 | 7256 | 7314 | 2 11 |
| 754 | 7371 | 7429 | 7487 | 7544 | 7602 | 7659 | 7717 | 7774 | 7832 | 7889 | 3 17 |
| | | | | | | | | | | | 4 23 |
| 755 | 7947 | 8004 | 8062 | 8119 | 8177 | 8234 | 8292 | 8349 | 8407 | 8464 | 5 29 |
| 756 | 8522 | 8579 | 8637 | 8694 | 8752 | 8809 | 8866 | 8924 | 8981 | 9039 | 6 34 |
| 757 | 9096 | 9153 | 9211 | 9268 | 9325 | 9383 | 9440 | 9497 | 9555 | 9612 | 7 40 |
| 758 | 9669 | 9726 | 9784 | 9841 | 9898 | 9956 | **13 | **70 | *127 | *185 | 8 46 |
| 759 | 880242 | 0299 | 0356 | 0413 | 0471 | 0528 | 0585 | 0642 | 0699 | 0756 | 9 51 |
| N | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | Differences. |

| N | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | Differences. |
|-----|--------|------|------|------|------|------|------|------|------|------|--------------|
| 760 | 880814 | 0871 | 0928 | 0985 | 1042 | 1099 | 1156 | 1213 | 1271 | 1328 | |
| 761 | 1385 | 1442 | 1499 | 1556 | 1613 | 1670 | 1727 | 1784 | 1841 | 1898 | |
| 762 | 1955 | 2012 | 2069 | 2126 | 2183 | 2240 | 2297 | 2354 | 2411 | 2468 | |
| 763 | 2525 | 2582 | 2638 | 2695 | 2752 | 2809 | 2866 | 2923 | 2980 | 3037 | |
| 764 | 3093 | 3150 | 3207 | 3264 | 3321 | 3377 | 3434 | 3491 | 3548 | 3605 | 57 |
| 765 | 3661 | 3718 | 3775 | 3832 | 3888 | 3945 | 4002 | 4059 | 4115 | 4172 | 1 6 |
| 766 | 4229 | 4285 | 4342 | 4399 | 4455 | 4512 | 4569 | 4625 | 4682 | 4739 | 2 11 |
| 767 | 4795 | 4852 | 4909 | 4965 | 5022 | 5078 | 5135 | 5192 | 5248 | 5305 | 3 17 |
| 768 | 5361 | 5418 | 5474 | 5531 | 5587 | 5644 | 5700 | 5757 | 5813 | 5870 | 4 23 |
| 769 | 5926 | 5983 | 6039 | 6096 | 6152 | 6209 | 6265 | 6321 | 6378 | 6434 | 5 29 |
| 770 | 886491 | 6547 | 6604 | 6660 | 6716 | 6773 | 6829 | 6885 | 6942 | 6998 | 6 34 |
| 771 | 7054 | 7111 | 7167 | 7223 | 7280 | 7336 | 7392 | 7449 | 7505 | 7561 | 7 40 |
| 772 | 7617 | 7674 | 7730 | 7786 | 7842 | 7898 | 7955 | 8011 | 8067 | 8123 | 8 46 |
| 773 | 8179 | 8236 | 8292 | 8348 | 8404 | 8460 | 8516 | 8573 | 8629 | 8685 | 9 51 |
| 774 | 8741 | 8797 | 8853 | 8909 | 8965 | 9021 | 9077 | 9134 | 9190 | 9246 | |
| 775 | 9302 | 9358 | 9414 | 9470 | 9526 | 9582 | 9638 | 9694 | 9750 | 9806 | 56 |
| 776 | 9862 | 9918 | 9974 | **30 | **86 | *141 | *197 | *253 | *309 | *365 | 1 6 |
| 777 | 890421 | 0477 | 0533 | 0589 | 0645 | 0700 | 0756 | 0812 | 0868 | 0924 | 2 11 |
| 778 | 0980 | 1035 | 1091 | 1147 | 1203 | 1259 | 1314 | 1370 | 1426 | 1482 | 3 17 |
| 779 | 1537 | 1593 | 1649 | 1705 | 1760 | 1816 | 1872 | 1928 | 1983 | 2039 | 4 22 |
| 780 | 892095 | 2150 | 2206 | 2262 | 2317 | 2373 | 2429 | 2484 | 2540 | 2595 | 5 28 |
| 781 | 2651 | 2707 | 2762 | 2818 | 2873 | 2929 | 2985 | 3040 | 3096 | 3151 | 6 34 |
| 782 | 3207 | 3262 | 3318 | 3373 | 3429 | 3484 | 3540 | 3595 | 3651 | 3706 | 7 39 |
| 783 | 3762 | 3817 | 3873 | 3928 | 3984 | 4039 | 4094 | 4150 | 4205 | 4261 | 8 45 |
| 784 | 4316 | 4371 | 4427 | 4482 | 4538 | 4593 | 4648 | 4704 | 4759 | 4814 | 9 50 |
| 785 | 4870 | 4925 | 4980 | 5036 | 5091 | 5146 | 5201 | 5257 | 5312 | 5367 | |
| 786 | 5423 | 5478 | 5533 | 5588 | 5644 | 5699 | 5754 | 5809 | 5864 | 5920 | 55 |
| 787 | 5975 | 6030 | 6085 | 6140 | 6195 | 6251 | 6306 | 6361 | 6416 | 6471 | 1 6 |
| 788 | 6526 | 6581 | 6636 | 6692 | 6747 | 6802 | 6857 | 6912 | 6967 | 7022 | 2 11 |
| 789 | 7077 | 7132 | 7187 | 7242 | 7297 | 7352 | 7407 | 7462 | 7517 | 7572 | 3 17 |
| 790 | 897627 | 7682 | 7737 | 7792 | 7847 | 7902 | 7957 | 8012 | 8067 | 8122 | 4 22 |
| 791 | 8176 | 8231 | 8286 | 8341 | 8396 | 8451 | 8506 | 8561 | 8615 | 8670 | 5 28 |
| 792 | 8725 | 8780 | 8835 | 8890 | 8944 | 8999 | 9054 | 9109 | 9164 | 9218 | 6 33 |
| 793 | 9273 | 9328 | 9383 | 9437 | 9492 | 9547 | 9602 | 9656 | 9711 | 9766 | 7 39 |
| 794 | 9821 | 9875 | 9930 | 9985 | **39 | **94 | *149 | *203 | *258 | *312 | 8 44 |
| 795 | 900367 | 0422 | 0476 | 0531 | 0586 | 0640 | 0695 | 0749 | 0804 | 0859 | 9 50 |
| 796 | 0913 | 0968 | 1022 | 1077 | 1131 | 1186 | 1240 | 1295 | 1349 | 1404 | |
| 797 | 1458 | 1513 | 1567 | 1622 | 1676 | 1731 | 1785 | 1840 | 1894 | 1948 | 54 |
| 798 | 2003 | 2057 | 2112 | 2166 | 2221 | 2275 | 2329 | 2384 | 2438 | 2492 | 1 5 |
| 799 | 2547 | 2601 | 2655 | 2710 | 2764 | 2818 | 2873 | 2927 | 2981 | 3036 | 2 11 |
| 800 | 903090 | 3144 | 3199 | 3253 | 3307 | 3361 | 3416 | 3470 | 3524 | 3578 | 3 16 |
| 801 | 3633 | 3687 | 3741 | 3795 | 3849 | 3904 | 3958 | 4012 | 4066 | 4120 | 4 22 |
| 802 | 4174 | 4229 | 4283 | 4337 | 4391 | 4445 | 4499 | 4553 | 4607 | 4661 | 5 27 |
| 803 | 4716 | 4770 | 4824 | 4878 | 4932 | 4986 | 5040 | 5094 | 5148 | 5202 | 6 32 |
| 804 | 5256 | 5310 | 5364 | 5418 | 5472 | 5526 | 5580 | 5634 | 5688 | 5742 | 7 38 |
| 805 | 5796 | 5850 | 5904 | 5958 | 6012 | 6066 | 6119 | 6173 | 6227 | 6281 | 8 43 |
| 806 | 6335 | 6389 | 6443 | 6497 | 6551 | 6604 | 6658 | 6712 | 6766 | 6820 | 9 49 |
| 807 | 6874 | 6927 | 6981 | 7035 | 7089 | 7143 | 7196 | 7250 | 7304 | 7358 | |
| 808 | 7411 | 7465 | 7519 | 7573 | 7626 | 7680 | 7734 | 7787 | 7841 | 7895 | 53 |
| 809 | 7949 | 8002 | 8056 | 8110 | 8163 | 8217 | 8270 | 8324 | 8378 | 8431 | 1 5 |
| 810 | 908485 | 8539 | 8592 | 8646 | 8699 | 8753 | 8807 | 8860 | 8914 | 8967 | 2 11 |
| 811 | 9021 | 9074 | 9128 | 9181 | 9235 | 9289 | 9342 | 9396 | 9449 | 9503 | 3 16 |
| 812 | 9556 | 9610 | 9663 | 9716 | 9770 | 9823 | 9877 | 9930 | 9984 | **37 | 4 21 |
| 813 | 910091 | 0144 | 0197 | 0251 | 0304 | 0358 | 0411 | 0464 | 0518 | 0571 | 5 27 |
| 814 | 0624 | 0678 | 0731 | 0784 | 0838 | 0891 | 0944 | 0998 | 1051 | 1104 | 6 32 |
| 815 | 1158 | 1211 | 1264 | 1317 | 1371 | 1424 | 1477 | 1530 | 1584 | 1637 | 7 37 |
| 816 | 1690 | 1743 | 1797 | 1850 | 1903 | 1956 | 2009 | 2063 | 2116 | 2169 | 8 42 |
| 817 | 2222 | 2275 | 2328 | 2381 | 2435 | 2488 | 2541 | 2594 | 2647 | 2700 | 9 48 |
| 818 | 2753 | 2806 | 2859 | 2913 | 2966 | 3019 | 3072 | 3125 | 3178 | 3231 | |
| 819 | 3284 | 3337 | 3390 | 3443 | 3496 | 3549 | 3602 | 3655 | 3708 | 3761 | |
| N | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | Differences. |

| N | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | Differences. |
|-----|--------|------|------|------|------|------|------|------|------|------|--------------|
| 820 | 913814 | 3867 | 3920 | 3973 | 4026 | 4079 | 4132 | 4184 | 4237 | 4290 | |
| 821 | 4343 | 4396 | 4449 | 4502 | 4555 | 4608 | 4660 | 4713 | 4766 | 4819 | |
| 822 | 4872 | 4925 | 4977 | 5030 | 5083 | 5136 | 5189 | 5241 | 5294 | 5347 | |
| 823 | 5400 | 5453 | 5505 | 5558 | 5611 | 5664 | 5716 | 5769 | 5822 | 5875 | |
| 824 | 5927 | 5980 | 6033 | 6085 | 6138 | 6191 | 6243 | 6296 | 6349 | 6401 | 53 5 |
| 825 | 6454 | 6507 | 6559 | 6612 | 6664 | 6717 | 6770 | 6822 | 6875 | 6927 | 1 2 11 |
| 826 | 6980 | 7033 | 7085 | 7138 | 7190 | 7243 | 7295 | 7348 | 7400 | 7453 | 3 16 |
| 827 | 7506 | 7558 | 7611 | 7663 | 7716 | 7768 | 7820 | 7873 | 7925 | 7978 | 4 21 |
| 828 | 8030 | 8083 | 8135 | 8188 | 8240 | 8293 | 8345 | 8397 | 8450 | 8502 | 5 27 |
| 829 | 8555 | 8607 | 8659 | 8712 | 8764 | 8816 | 8869 | 8921 | 8973 | 9026 | 6 32 |
| 830 | 919078 | 9130 | 9183 | 9235 | 9287 | 9340 | 9392 | 9444 | 9496 | 9549 | 7 37 |
| 831 | 9601 | 9653 | 9706 | 9758 | 9810 | 9862 | 9914 | 9967 | **19 | **71 | 8 42 |
| 832 | 920123 | 0176 | 0228 | 0280 | 0332 | 0384 | 0436 | 0489 | 0541 | 0593 | 9 48 |
| 833 | 0645 | 0697 | 0749 | 0801 | 0853 | 0906 | 0958 | 1010 | 1062 | 1114 | |
| 834 | 1166 | 1218 | 1270 | 1322 | 1374 | 1426 | 1478 | 1530 | 1582 | 1634 | |
| 835 | 1686 | 1738 | 1790 | 1842 | 1894 | 1946 | 1998 | 2050 | 2102 | 2154 | 52 5 |
| 836 | 2206 | 2258 | 2310 | 2362 | 2414 | 2466 | 2518 | 2570 | 2622 | 2674 | 1 2 10 |
| 837 | 2725 | 2777 | 2829 | 2881 | 2933 | 2985 | 3037 | 3089 | 3140 | 3192 | 3 16 |
| 838 | 3244 | 3296 | 3348 | 3399 | 3451 | 3503 | 3555 | 3607 | 3658 | 3710 | 4 21 |
| 839 | 3762 | 3814 | 3865 | 3917 | 3969 | 4021 | 4072 | 4124 | 4176 | 4228 | 5 26 |
| 840 | 924279 | 4331 | 4383 | 4434 | 4486 | 4538 | 4589 | 4641 | 4693 | 4744 | 6 31 |
| 841 | 4796 | 4848 | 4899 | 4951 | 5003 | 5054 | 5106 | 5157 | 5209 | 5261 | 7 36 |
| 842 | 5312 | 5364 | 5415 | 5467 | 5518 | 5570 | 5621 | 5673 | 5725 | 5776 | 8 42 |
| 843 | 5828 | 5879 | 5931 | 5982 | 6034 | 6085 | 6137 | 6188 | 6240 | 6291 | 9 47 |
| 844 | 6342 | 6394 | 6445 | 6497 | 6548 | 6600 | 6651 | 6702 | 6754 | 6805 | |
| 845 | 6857 | 6908 | 6959 | 7011 | 7062 | 7114 | 7165 | 7216 | 7268 | 7319 | |
| 846 | 7370 | 7422 | 7473 | 7524 | 7576 | 7627 | 7678 | 7730 | 7781 | 7832 | 51 |
| 847 | 7883 | 7935 | 7986 | 8037 | 8088 | 8140 | 8191 | 8242 | 8293 | 8345 | 1 5 |
| 848 | 8396 | 8447 | 8498 | 8549 | 8601 | 8652 | 8703 | 8754 | 8805 | 8857 | 2 10 |
| 849 | 8908 | 8959 | 9010 | 9061 | 9112 | 9163 | 9215 | 9266 | 9317 | 9368 | 3 15 |
| 850 | 929419 | 9470 | 9521 | 9572 | 9623 | 9674 | 9725 | 9776 | 9827 | 9879 | 4 20 |
| 851 | 9930 | 9981 | **32 | **83 | *134 | *185 | *236 | *287 | *338 | *389 | 5 26 |
| 852 | 930440 | 0491 | 0542 | 0592 | 0643 | 0694 | 0745 | 0796 | 0847 | 0898 | 6 31 |
| 853 | 0949 | 1000 | 1051 | 1102 | 1153 | 1204 | 1254 | 1305 | 1356 | 1407 | 7 36 |
| 854 | 1458 | 1509 | 1560 | 1610 | 1661 | 1712 | 1763 | 1814 | 1865 | 1915 | 8 41 |
| 855 | 1966 | 2017 | 2068 | 2118 | 2169 | 2220 | 2271 | 2322 | 2372 | 2423 | 9 46 |
| 856 | 2474 | 2524 | 2575 | 2626 | 2677 | 2727 | 2778 | 2829 | 2879 | 2930 | |
| 857 | 2981 | 3031 | 3082 | 3133 | 3183 | 3234 | 3285 | 3335 | 3386 | 3437 | |
| 858 | 3487 | 3538 | 3589 | 3639 | 3690 | 3740 | 3791 | 3841 | 3892 | 3943 | 50 5 |
| 859 | 3993 | 4044 | 4094 | 4145 | 4195 | 4246 | 4296 | 4347 | 4397 | 4448 | 1 2 10 |
| 860 | 934498 | 4549 | 4599 | 4650 | 4700 | 4751 | 4801 | 4852 | 4902 | 4953 | 3 15 |
| 861 | 5003 | 5054 | 5104 | 5154 | 5205 | 5255 | 5306 | 5356 | 5406 | 5457 | 4 20 |
| 862 | 5507 | 5558 | 5608 | 5658 | 5709 | 5759 | 5809 | 5860 | 5910 | 5960 | 5 25 |
| 863 | 6011 | 6061 | 6111 | 6162 | 6212 | 6262 | 6313 | 6363 | 6413 | 6463 | 6 30 |
| 864 | 6514 | 6564 | 6614 | 6665 | 6715 | 6765 | 6815 | 6865 | 6916 | 6966 | 7 35 |
| 865 | 7016 | 7066 | 7117 | 7167 | 7217 | 7267 | 7317 | 7367 | 7418 | 7468 | 8 40 |
| 866 | 7518 | 7568 | 7618 | 7668 | 7718 | 7769 | 7819 | 7869 | 7919 | 7969 | 9 45 |
| 867 | 8019 | 8069 | 8119 | 8169 | 8219 | 8269 | 8320 | 8370 | 8420 | 8470 | |
| 868 | 8520 | 8570 | 8620 | 8670 | 8720 | 8770 | 8820 | 8870 | 8920 | 8970 | |
| 869 | 9020 | 9070 | 9120 | 9170 | 9220 | 9270 | 9320 | 9369 | 9419 | 9469 | 49 5 |
| 870 | 939519 | 9569 | 9619 | 9669 | 9719 | 9769 | 9819 | 9869 | 9918 | 9968 | 1 2 10 |
| 871 | 940018 | 0068 | 0118 | 0168 | 0218 | 0267 | 0317 | 0367 | 0417 | 0467 | 3 15 |
| 872 | 0516 | 0566 | 0616 | 0666 | 0716 | 0765 | 0815 | 0865 | 0915 | 0964 | 4 20 |
| 873 | 1014 | 1064 | 1114 | 1163 | 1213 | 1263 | 1313 | 1362 | 1412 | 1462 | 5 25 |
| 874 | 1511 | 1561 | 1611 | 1660 | 1710 | 1760 | 1809 | 1859 | 1909 | 1958 | 6 29 |
| 875 | 2008 | 2058 | 2107 | 2157 | 2207 | 2256 | 2306 | 2355 | 2405 | 2455 | 7 34 |
| 876 | 2504 | 2554 | 2603 | 2653 | 2702 | 2752 | 2801 | 2851 | 2901 | 2950 | 8 39 |
| 877 | 3000 | 3049 | 3099 | 3148 | 3198 | 3247 | 3297 | 3346 | 3396 | 3445 | 9 44 |
| 878 | 3495 | 3544 | 3593 | 3643 | 3692 | 3742 | 3791 | 3841 | 3890 | 3939 | |
| 879 | 3989 | 4038 | 4088 | 4137 | 4186 | 4236 | 4285 | 4335 | 4384 | 4433 | |
| N | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | Differences. |

| N | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | Differences. |
|-----|--------|------|------|------|------|------|------|------|------|------|--------------|
| 880 | 944483 | 4532 | 4581 | 4631 | 4680 | 4729 | 4779 | 4828 | 4877 | 4927 | |
| 881 | 4976 | 5025 | 5074 | 5124 | 5173 | 5222 | 5272 | 5321 | 5370 | 5419 | |
| 882 | 5469 | 5518 | 5567 | 5616 | 5665 | 5715 | 5764 | 5813 | 5862 | 5912 | |
| 883 | 5961 | 6010 | 6059 | 6108 | 6157 | 6207 | 6256 | 6305 | 6354 | 6403 | |
| 884 | 6452 | 6501 | 6551 | 6600 | 6649 | 6698 | 6747 | 6796 | 6845 | 6894 | |
| 885 | 6943 | 6992 | 7041 | 7090 | 7140 | 7189 | 7238 | 7287 | 7336 | 7385 | 49 |
| 886 | 7434 | 7483 | 7532 | 7581 | 7630 | 7679 | 7728 | 7777 | 7826 | 7875 | 1 5 |
| 887 | 7924 | 7973 | 8022 | 8070 | 8119 | 8168 | 8217 | 8266 | 8315 | 8364 | 2 10 |
| 888 | 8413 | 8462 | 8511 | 8560 | 8609 | 8657 | 8706 | 8755 | 8804 | 8853 | 3 15 |
| 889 | 8902 | 8951 | 8999 | 9048 | 9097 | 9146 | 9195 | 9244 | 9292 | 9341 | 4 20 |
| 890 | 949390 | 9439 | 9488 | 9536 | 9585 | 9634 | 9683 | 9731 | 9780 | 9829 | 5 25 |
| 891 | 9878 | 9926 | 9975 | **24 | **73 | *121 | *170 | *219 | *267 | *316 | 6 29 |
| 892 | 950365 | 0414 | 0462 | 0511 | 0565 | 0608 | 0657 | 0706 | 0754 | 0803 | 7 34 |
| 893 | 0851 | 0900 | 0949 | 0997 | 1046 | 1095 | 1143 | 1192 | 1240 | 1289 | 8 39 |
| 894 | 1338 | 1386 | 1435 | 1483 | 1532 | 1580 | 1629 | 1677 | 1726 | 1775 | 9 44 |
| 895 | 1823 | 1872 | 1920 | 1969 | 2017 | 2066 | 2114 | 2163 | 2211 | 2260 | |
| 896 | 2308 | 2356 | 2405 | 2453 | 2502 | 2550 | 2599 | 2647 | 2696 | 2744 | |
| 897 | 2792 | 2841 | 2889 | 2938 | 2986 | 3034 | 3083 | 3131 | 3180 | 3228 | |
| 898 | 3276 | 3325 | 3373 | 3421 | 3470 | 3518 | 3566 | 3615 | 3663 | 3711 | |
| 899 | 3760 | 3808 | 3856 | 3905 | 3953 | 4001 | 4049 | 4098 | 4146 | 4194 | |
| 900 | 954243 | 4291 | 4339 | 4387 | 4435 | 4484 | 4532 | 4580 | 4628 | 4677 | 48 |
| 901 | 4725 | 4773 | 4821 | 4869 | 4918 | 4966 | 5014 | 5062 | 5110 | 5158 | 5 |
| 902 | 5207 | 5255 | 5303 | 5351 | 5399 | 5447 | 5495 | 5543 | 5592 | 5640 | 2 10 |
| 903 | 5688 | 5736 | 5784 | 5832 | 5880 | 5928 | 5976 | 6024 | 6072 | 6120 | 3 14 |
| 904 | 6168 | 6216 | 6265 | 6313 | 6361 | 6409 | 6457 | 6505 | 6553 | 6601 | 4 19 |
| 905 | 6649 | 6697 | 6745 | 6793 | 6840 | 6888 | 6936 | 6984 | 7032 | 7080 | 5 24 |
| 906 | 7128 | 7176 | 7224 | 7272 | 7320 | 7368 | 7416 | 7464 | 7512 | 7559 | 6 29 |
| 907 | 7607 | 7655 | 7703 | 7751 | 7799 | 7847 | 7894 | 7942 | 7990 | 8038 | 7 34 |
| 908 | 8086 | 8134 | 8181 | 8229 | 8277 | 8325 | 8373 | 8421 | 8468 | 8516 | 8 38 |
| 909 | 8564 | 8612 | 8659 | 8707 | 8755 | 8803 | 8850 | 8898 | 8946 | 8994 | 9 43 |
| 910 | 959041 | 9089 | 9137 | 9185 | 9232 | 9280 | 9328 | 9375 | 9423 | 9471 | |
| 911 | 9518 | 9566 | 9614 | 9661 | 9709 | 9757 | 9804 | 9852 | 9900 | 9947 | |
| 912 | 9995 | **42 | **90 | *138 | *185 | *233 | *280 | *328 | *376 | *423 | |
| 913 | 960471 | 0518 | 0566 | 0613 | 0661 | 0709 | 0756 | 0804 | 0851 | 0899 | |
| 914 | 0946 | 0994 | 1041 | 1089 | 1136 | 1184 | 1231 | 1279 | 1326 | 1374 | 47 |
| 915 | 1421 | 1469 | 1516 | 1563 | 1611 | 1658 | 1706 | 1753 | 1801 | 1848 | 5 |
| 916 | 1895 | 1943 | 1990 | 2038 | 2085 | 2132 | 2180 | 2227 | 2275 | 2322 | 2 9 |
| 917 | 2369 | 2417 | 2464 | 2511 | 2559 | 2606 | 2653 | 2701 | 2748 | 2795 | 3 14 |
| 918 | 2843 | 2890 | 2937 | 2985 | 3032 | 3079 | 3126 | 3174 | 3221 | 3268 | 4 19 |
| 919 | 3316 | 3363 | 3410 | 3457 | 3504 | 3552 | 3599 | 3646 | 3693 | 3741 | 5 24 |
| 920 | 963788 | 3835 | 3882 | 3929 | 3977 | 4024 | 4071 | 4118 | 4165 | 4212 | 6 28 |
| 921 | 4260 | 4307 | 4354 | 4401 | 4448 | 4495 | 4542 | 4590 | 4637 | 4684 | 7 33 |
| 922 | 4731 | 4778 | 4825 | 4872 | 4919 | 4966 | 5013 | 5061 | 5108 | 5155 | 8 38 |
| 923 | 5202 | 5249 | 5296 | 5343 | 5390 | 5437 | 5484 | 5531 | 5578 | 5625 | 9 42 |
| 924 | 5672 | 5719 | 5766 | 5813 | 5860 | 5907 | 5954 | 6001 | 6048 | 6095 | |
| 925 | 6142 | 6189 | 6236 | 6283 | 6329 | 6376 | 6423 | 6470 | 6517 | 6564 | |
| 926 | 6611 | 6658 | 6705 | 6752 | 6799 | 6845 | 6892 | 6939 | 6986 | 7033 | |
| 927 | 7080 | 7127 | 7173 | 7220 | 7267 | 7314 | 7361 | 7408 | 7454 | 7501 | 46 |
| 928 | 7548 | 7595 | 7642 | 7688 | 7735 | 7782 | 7829 | 7875 | 7922 | 7969 | 5 |
| 929 | 8016 | 8062 | 8109 | 8156 | 8203 | 8249 | 8296 | 8343 | 8390 | 8436 | 2 9 |
| 930 | 968483 | 8530 | 8576 | 8623 | 8670 | 8716 | 8763 | 8810 | 8856 | 8903 | 3 14 |
| 931 | 8950 | 8996 | 9043 | 9090 | 9136 | 9183 | 9229 | 9276 | 9323 | 9369 | 4 18 |
| 932 | 9416 | 9463 | 9509 | 9556 | 9602 | 9649 | 9695 | 9742 | 9789 | 9835 | 5 23 |
| 933 | 9882 | 9928 | 9975 | **21 | **68 | *114 | *161 | *207 | *254 | *300 | 6 28 |
| 934 | 970347 | 0393 | 0440 | 0486 | 0533 | 0579 | 0626 | 0672 | 0719 | 0765 | 7 32 |
| 935 | 0812 | 0858 | 0904 | 0951 | 0997 | 1044 | 1090 | 1137 | 1183 | 1229 | 8 37 |
| 936 | 1276 | 1322 | 1369 | 1415 | 1461 | 1508 | 1554 | 1601 | 1647 | 1693 | 9 41 |
| 937 | 1740 | 1786 | 1832 | 1879 | 1925 | 1971 | 2018 | 2064 | 2110 | 2157 | |
| 938 | 2203 | 2249 | 2295 | 2342 | 2388 | 2434 | 2481 | 2527 | 2573 | 2619 | |
| 939 | 2666 | 2712 | 2758 | 2804 | 2851 | 2897 | 2943 | 2989 | 3035 | 3082 | |
| N | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | Differences. |

| N | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | Differences. |
|-----|--------|------|------|------|------|------|------|------|------|------|--------------|
| 940 | 973128 | 3174 | 3220 | 3266 | 3313 | 3359 | 3405 | 3451 | 3497 | 3543 | |
| 941 | 3590 | 3636 | 3682 | 3728 | 3774 | 3820 | 3866 | 3913 | 3959 | 4005 | |
| 942 | 4051 | 4097 | 4143 | 4189 | 4235 | 4281 | 4327 | 4374 | 4420 | 4466 | |
| 943 | 4512 | 4558 | 4604 | 4650 | 4696 | 4742 | 4788 | 4834 | 4880 | 4926 | |
| 944 | 4972 | 5018 | 5064 | 5110 | 5156 | 5202 | 5248 | 5294 | 5340 | 5386 | |
| 945 | 5432 | 5478 | 5524 | 5570 | 5616 | 5662 | 5707 | 5753 | 5799 | 5845 | 46 |
| 946 | 5891 | 5937 | 5983 | 6029 | 6075 | 6121 | 6167 | 6212 | 6258 | 6304 | 1 5 |
| 947 | 6350 | 6396 | 6442 | 6488 | 6533 | 6579 | 6625 | 6671 | 6717 | 6763 | 2 9 |
| 948 | 6808 | 6854 | 6900 | 6946 | 6992 | 7037 | 7083 | 7129 | 7175 | 7220 | 3 14 |
| 949 | 7266 | 7312 | 7358 | 7403 | 7449 | 7495 | 7541 | 7586 | 7632 | 7678 | 4 18 |
| 950 | 977724 | 7769 | 7815 | 7861 | 7906 | 7952 | 7998 | 8043 | 8089 | 8135 | 5 23 |
| 951 | 8181 | 8226 | 8272 | 8317 | 8363 | 8409 | 8454 | 8500 | 8546 | 8591 | 6 25 |
| 952 | 8637 | 8683 | 8728 | 8774 | 8819 | 8865 | 8911 | 8956 | 9002 | 9047 | 7 32 |
| 953 | 9093 | 9138 | 9184 | 9230 | 9275 | 9321 | 9366 | 9412 | 9457 | 9503 | 8 37 |
| 954 | 9548 | 9594 | 9639 | 9685 | 9730 | 9776 | 9821 | 9867 | 9912 | 9958 | 9 41 |
| 955 | 980003 | 0049 | 0094 | 0140 | 0185 | 0231 | 0276 | 0322 | 0367 | 0412 | |
| 956 | 0458 | 0503 | 0549 | 0594 | 0640 | 0685 | 0730 | 0776 | 0821 | 0867 | |
| 957 | 0912 | 0957 | 1003 | 1048 | 1093 | 1139 | 1184 | 1229 | 1275 | 1320 | |
| 958 | 1366 | 1411 | 1456 | 1501 | 1547 | 1592 | 1637 | 1683 | 1728 | 1773 | |
| 959 | 1819 | 1864 | 1909 | 1954 | 2000 | 2045 | 2090 | 2135 | 2181 | 2226 | 45 |
| 960 | 982271 | 2316 | 2362 | 2407 | 2452 | 2497 | 2543 | 2588 | 2633 | 2678 | 1 5 |
| 961 | 2723 | 2769 | 2814 | 2859 | 2904 | 2949 | 2994 | 3040 | 3085 | 3130 | 2 9 |
| 962 | 3175 | 3220 | 3265 | 3310 | 3356 | 3401 | 3446 | 3491 | 3536 | 3581 | 3 14 |
| 963 | 3626 | 3671 | 3716 | 3762 | 3807 | 3852 | 3897 | 3942 | 3987 | 4032 | 4 18 |
| 964 | 4077 | 4122 | 4167 | 4212 | 4257 | 4302 | 4347 | 4392 | 4437 | 4482 | 5 23 |
| 965 | 4527 | 4572 | 4617 | 4662 | 4707 | 4752 | 4797 | 4842 | 4887 | 4932 | 6 27 |
| 966 | 4977 | 5022 | 5067 | 5112 | 5157 | 5202 | 5247 | 5292 | 5337 | 5382 | 7 32 |
| 967 | 5426 | 5471 | 5516 | 5561 | 5606 | 5651 | 5696 | 5741 | 5786 | 5830 | 8 36 |
| 968 | 5875 | 5920 | 5965 | 6010 | 6055 | 6100 | 6144 | 6189 | 6234 | 6279 | 9 41 |
| 969 | 6324 | 6369 | 6413 | 6458 | 6503 | 6548 | 6593 | 6637 | 6682 | 6727 | |
| 970 | 986772 | 6817 | 6861 | 6906 | 6951 | 6996 | 7040 | 7085 | 7130 | 7175 | |
| 971 | 7219 | 7264 | 7309 | 7353 | 7398 | 7443 | 7488 | 7532 | 7577 | 7622 | |
| 972 | 7666 | 7711 | 7756 | 7800 | 7845 | 7890 | 7934 | 7979 | 8024 | 8068 | |
| 973 | 8113 | 8157 | 8202 | 8247 | 8291 | 8336 | 8381 | 8425 | 8470 | 8514 | 44 |
| 974 | 8559 | 8604 | 8648 | 8693 | 8737 | 8782 | 8826 | 8871 | 8916 | 8960 | 1 4 |
| 975 | 9005 | 9049 | 9094 | 9138 | 9183 | 9227 | 9272 | 9316 | 9361 | 9405 | 2 9 |
| 976 | 9450 | 9494 | 9539 | 9583 | 9628 | 9672 | 9717 | 9761 | 9806 | 9850 | 3 13 |
| 977 | 9895 | 9939 | 9983 | **28 | **72 | *117 | *161 | *206 | *250 | *294 | 4 18 |
| 978 | 990339 | 0383 | 0428 | 0472 | 0516 | 0561 | 0605 | 0650 | 0694 | 0738 | 5 22 |
| 979 | 0783 | 0827 | 0871 | 0916 | 0960 | 1004 | 1049 | 1093 | 1137 | 1182 | 6 26 |
| 980 | 991226 | 1270 | 1315 | 1359 | 1403 | 1448 | 1492 | 1536 | 1580 | 1625 | 7 31 |
| 981 | 1669 | 1713 | 1758 | 1802 | 1846 | 1890 | 1935 | 1979 | 2023 | 2067 | 8 35 |
| 982 | 2111 | 2156 | 2200 | 2244 | 2288 | 2333 | 2377 | 2421 | 2465 | 2509 | 9 40 |
| 983 | 2554 | 2598 | 2642 | 2686 | 2730 | 2774 | 2819 | 2863 | 2907 | 2951 | |
| 984 | 2995 | 3039 | 3083 | 3127 | 3172 | 3216 | 3260 | 3304 | 3348 | 3392 | |
| 985 | 3436 | 3480 | 3524 | 3568 | 3613 | 3657 | 3701 | 3745 | 3789 | 3833 | |
| 986 | 3877 | 3921 | 3965 | 4009 | 4053 | 4097 | 4141 | 4185 | 4229 | 4273 | |
| 987 | 4317 | 4361 | 4405 | 4449 | 4493 | 4537 | 4581 | 4625 | 4669 | 4713 | |
| 988 | 4757 | 4801 | 4845 | 4889 | 4933 | 4977 | 5021 | 5065 | 5108 | 5152 | 43 |
| 989 | 5196 | 5240 | 5284 | 5328 | 5372 | 5416 | 5460 | 5504 | 5547 | 5591 | 1 4 |
| 990 | 995635 | 5679 | 5723 | 5767 | 5811 | 5854 | 5898 | 5942 | 5986 | 6030 | 2 9 |
| 991 | 6074 | 6117 | 6161 | 6205 | 6249 | 6293 | 6337 | 6380 | 6424 | 6468 | 3 13 |
| 992 | 6512 | 6555 | 6599 | 6643 | 6687 | 6731 | 6774 | 6818 | 6862 | 6906 | 4 17 |
| 993 | 6949 | 6993 | 7037 | 7080 | 7124 | 7168 | 7212 | 7255 | 7299 | 7343 | 5 22 |
| 994 | 7386 | 7430 | 7474 | 7517 | 7561 | 7605 | 7648 | 7692 | 7736 | 7779 | 6 26 |
| 995 | 7823 | 7867 | 7910 | 7954 | 7998 | 8041 | 8085 | 8129 | 8172 | 8216 | 7 30 |
| 996 | 8259 | 8303 | 8347 | 8390 | 8434 | 8477 | 8521 | 8564 | 8608 | 8652 | 8 34 |
| 997 | 8695 | 8739 | 8782 | 8826 | 8869 | 8913 | 8956 | 9000 | 9043 | 9087 | 9 39 |
| 998 | 9131 | 9174 | 9218 | 9261 | 9305 | 9348 | 9392 | 9435 | 9479 | 9522 | |
| 999 | 9565 | 9609 | 9652 | 9696 | 9739 | 9783 | 9826 | 9870 | 9913 | 9957 | |
| N | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | Differences. |

| ASTRONOMY. | | No. | Log | LOGARITHMS. | | No. | Log |
|--------------------------------|--|------------------------|----------|-----------------------------------|--|------------------------|----------|
| mean sol. sec. in 1 sid. day, | | 86164. | 4.935326 | base Nap. log, e | | 2.71828 | 0.434294 |
| in 1 sid. year | | 31558150. | 7.499112 | mod. com. log, m | | 0.43429 | 9.637784 |
| in 1 trop. year | | 31556929. | 7.499095 | 1: M | | 2.30258 | 0.362216 |
| ang. vel. of earth's rot'n . | | 7.2921:10 ⁵ | 5.862854 | MEASURES. | | | |
| vel. in cm-sec. in orbit . . | | 2960600. | 6.471380 | inches in 1 meter (Clarke) | | 39.37043 | 1.595170 |
| of pt. on eq. due to rot'n, | | 46510. | 4.667546 | ft. in 1 m. | | 3.28087 | 0.515989 |
| centrif. force in dyne-gm. | | | | sq. ft. in 1 sq. m. | | 10.76411 | 1.031978 |
| at equator due to rot'n . | | 3.3908 | 0.530302 | acres in 1 are | | 0.02471 | 8.392890 |
| CHEMISTRY. | | | | yds. in 1 m. | | 1.09362 | 0.038868 |
| wt. 1 ltr. hydrogen in gm. | | 0.0896 | 8.952308 | sq. yd. in 1 sq. m. | | 1.19601 | 0.077735 |
| wt. 1 ltr. air in gm. . . . | | 1.293 | 0.111599 | ft. in 1 mile | | 5280. | 3.722634 |
| ratio m. wt. to spec. grav., | | 28.87 | 1.460447 | ft. in 1 naut. mile | | 6077.715 | 3.783700 |
| nor. press. of atm. in mm., | | 760. | 2.880814 | cm. in 1 inch | | 2.53998 | 0.404830 |
| | | | | in. in 1 cm. | | 0.393704 | 9.595170 |
| | | | | cm. in 1 ft. | | 30.47971 | 1.484011 |
| | | | | ft. in 1 cm. | | 0.032809 | 8.515989 |
| EARTH, FIGURE OF. | | | | cm. in 1 yd. | | 91.43912 | 1.961132 |
| equatorial radius, miles . | | 3963.269 | 3.598054 | yd. in 1 cm. | | 0.010936 | 8.038868 |
| polar radius | | 3949.834 | 3.596579 | cm. in 1 mile | | 160933. | 5.206645 |
| mean radius | | 3956. | 3.597256 | mi. in 1 cm. | | 6.2138:10 ⁶ | 4.793355 |
| arc of 1° of equator . . . | | 69.172 | 1.839930 | cm. in 1 naut. mile | | 185230. | 5.267711 |
| circumf. of equator . . . | | 24901.954 | 4.396233 | n. mi. in 1 cm. | | 5.3987:10 ⁶ | 4.732289 |
| ellipticity of earth | | 3.3901:10 ³ | 7.530210 | cub. cm. in 1 cub. in. . . . | | 16.38660 | 1.214489 |
| eccentricity of meridian . | | 0.082271 | 8.915249 | cub. in. in 1 cub. cm. . . . | | 0.061025 | 8.785511 |
| | | | | cub. cm. in 1 cub. ft. . . . | | 28316.07 | 4.452033 |
| | | | | cub. ft. in 1 cub. cm. . . . | | 3.5316:10 ⁶ | 5.547967 |
| ELECTRICITY. | | | | cub. cm. in 1 cub. yd. . . . | | 764535. | 5.883397 |
| legal ohm (cm. mercury, | | | | cub. yd. in 1 cub. cm. . . . | | 1.3080:10 ⁶ | 4.116603 |
| 1 mm. sq.) | | 106. | 2.025306 | lb. in 1 kg. | | 2.20463 | 0.343337 |
| elec-chem equiv. of silver, | | 0.01118 | 8.048442 | gm. in 1 lb. | | 453.59 | 2.656663 |
| silver dep. gm-ampere-hr., | | 4.025 | 0.604766 | | | | |
| | | | | π . | | | |
| | | | | $\pi = 3.14159\ 26535\ 89793.$ | | | 0.497150 |
| | | | | $\frac{1}{4}\pi$ | | 0.78540 | 9.895090 |
| | | | | $\frac{1}{2}\pi$ | | 0.52360 | 9.718999 |
| | | | | $\frac{3}{4}\pi$ | | 4.18879 | 0.622089 |
| | | | | 1: π | | 0.31831 | 9.502850 |
| | | | | π^2 | | 9.86960 | 0.994300 |
| | | | | 1: π^2 | | 0.10132 | 9.005700 |
| | | | | $\sqrt{\pi}$ | | 1.77245 | 0.248575 |
| | | | | 1: $\sqrt{\pi}$ | | 0.56419 | 9.751425 |
| | | | | $\pi\sqrt{2}$ | | 4.44288 | 0.647665 |
| | | | | $\pi\sqrt{2}$ | | 2.22144 | 0.346635 |
| | | | | $\sqrt{\frac{1}{2}\pi}$ | | 1.25331 | 0.098060 |
| | | | | $\sqrt{(2:\pi)}$ | | 0.79788 | 9.901940 |
| | | | | 180°: π | | 57°: 29578 | 1.758123 |
| | | | | π : 180 | | 0.01745 | 8.241877 |
| | | | | 180: 60': π | | 3437'.747 | 3.536274 |
| | | | | π : 180: 60 | | 2.9089:10 ⁴ | 6.463726 |
| | | | | 180: 60: 60': π | | 206264'.78 | 5.314425 |
| | | | | π : 180: 60: 60 | | 4.4811:10 ⁶ | 4.685575 |
| | | | | 360: 60: 60 | | 1296000. | 6.112605 |
| HEAT. | | | | VELOCITIES. | | | |
| ft-lb. to ht. 1 lb. wat. 1° F. | | 772. | 2.887617 | cm-sec. in 1 ft-sec. | | 30.47971 | 1.484011 |
| 1° C. | | 1390. | 3.143015 | ft-sec. in 1 cm-sec. | | 0.032809 | 8.515989 |
| gm-cm to ht. 1 lb. wat. 1° C. | | 424. | 2.627366 | cm-sec. in 1 mile-hr. | | 44.70387 | 1.650343 |
| lat. ht. steam at 100° C. . | | 540. | 2.732394 | mi-hr. in 1 cm-sec. | | 0.02237 | 8.349657 |
| coef. of expan. of gases . | | 0.003665 | 7.564074 | cm-sec. in 1 km-hr. | | 27.777 | 1.443697 |
| | | | | km-hr. in 1 cm-sec. | | 0.036 | 8.556303 |
| LIGHT. | | | | WORK. | | | |
| wave length sodium light, | | | | gm-cm. in 1 ft-lb. | | 13825. | 4.140665 |
| in mm. D_1 | | 5.896:10 ⁴ | 6.770557 | ft-lb. in 1 gm-cm. | | 7.2333:10 ³ | 5.859335 |
| D_2 | | 5.890:10 ⁴ | 6.770115 | gm-cm. in 1 ft-grain | | 1.975 | 0.295567 |
| vel. in km-sec (Michelson) | | 299853. | 5.476908 | ft-gr. in 1 gm-cm. | | 0.50633 | 9.704493 |
| (Newcomb) | | 299810. | 5.476846 | gm-cm. in 1 kg-m. | | 100000. | 5. |
| (Listing) | | 299990. | 5.477107 | kg-m. in 1 gm-cm. | | .00001 | 5. |
| rotation pl. pol. sod. light, | | | | | | | |
| by quartz 1 mm. thick, | | 21°:67 | | | | | |

| | 10 + log (sin A'': A) | | | | | 10 + log (tan A'': A) | | | | | |
|----|-----------------------|--------|--------|---------|---------|-----------------------|--------|--------|---------|---------|------|
| | 0° | 1° | 2° | 3° | 4° | 0° | 1° | 2° | 3° | 4° | |
| 0' | 4.08 5575 | 5553 | 5487 | 5376 | 5222 | 5575 | 5619 | 5751 | 5972 | 6281 | 0'' |
| 1 | 5575 | 5552 | 5485 | 5374 | 5219 | 5575 | 5620 | 5754 | 5976 | 6287 | 60 |
| 2 | 5575 | 5551 | 5484 | 5372 | 5216 | 5575 | 5622 | 5757 | 5981 | 6293 | 120 |
| 3 | 5575 | 5551 | 5482 | 5370 | 5213 | 5575 | 5623 | 5760 | 5985 | 6299 | 180 |
| 4 | 5575 | 5550 | 5481 | 5367 | 5210 | 5575 | 5625 | 5763 | 5990 | 6305 | 240 |
| 5 | 5575 | 5549 | 5479 | 5365 | 5207 | 5575 | 5627 | 5766 | 5994 | 6311 | 300 |
| 6 | 5575 | 5548 | 5478 | 5363 | 5204 | 5575 | 5628 | 5769 | 5999 | 6317 | 360 |
| 7 | 5575 | 5547 | 5476 | 5361 | 5201 | 5575 | 5630 | 5773 | 6003 | 6323 | 420 |
| 8 | 5574 | 5547 | 5475 | 5358 | 5198 | 5576 | 5632 | 5776 | 6008 | 6329 | 480 |
| 9 | 5574 | 5546 | 5473 | 5356 | 5195 | 5576 | 5633 | 5779 | 6013 | 6335 | 540 |
| 10 | 4.08 5574 | 5545 | 5471 | 5354 | 5192 | 5576 | 5635 | 5782 | 6017 | 6341 | 600 |
| 11 | 5574 | 5544 | 5470 | 5351 | 5189 | 5576 | 5637 | 5785 | 6022 | 6348 | 660 |
| 12 | 5574 | 5543 | 5468 | 5349 | 5186 | 5577 | 5638 | 5788 | 6027 | 6354 | 720 |
| 13 | 5574 | 5542 | 5467 | 5347 | 5183 | 5577 | 5640 | 5792 | 6031 | 6360 | 780 |
| 14 | 5574 | 5541 | 5465 | 5344 | 5180 | 5577 | 5642 | 5795 | 6036 | 6366 | 840 |
| 15 | 5573 | 5540 | 5463 | 5342 | 5177 | 5578 | 5644 | 5798 | 6041 | 6372 | 900 |
| 16 | 5573 | 5539 | 5462 | 5340 | 5173 | 5578 | 5646 | 5802 | 6046 | 6379 | 960 |
| 17 | 5573 | 5539 | 5460 | 5337 | 5170 | 5578 | 5648 | 5805 | 6051 | 6385 | 1020 |
| 18 | 5573 | 5538 | 5458 | 5335 | 5167 | 5579 | 5649 | 5808 | 6055 | 6391 | 1080 |
| 19 | 5573 | 5537 | 5457 | 5332 | 5164 | 5579 | 5651 | 5812 | 6060 | 6398 | 1140 |
| 20 | 4.08 5572 | 5536 | 5455 | 5330 | 5161 | 5580 | 5653 | 5815 | 6065 | 6404 | 1200 |
| 21 | 5572 | 5535 | 5453 | 5327 | 5157 | 5580 | 5655 | 5818 | 6070 | 6410 | 1260 |
| 22 | 5572 | 5534 | 5451 | 5325 | 5154 | 5581 | 5657 | 5822 | 6075 | 6417 | 1320 |
| 23 | 5572 | 5533 | 5450 | 5322 | 5151 | 5581 | 5659 | 5825 | 6080 | 6423 | 1380 |
| 24 | 5571 | 5532 | 5448 | 5320 | 5148 | 5582 | 5661 | 5829 | 6085 | 6430 | 1440 |
| 25 | 5571 | 5531 | 5446 | 5317 | 5145 | 5583 | 5663 | 5833 | 6090 | 6436 | 1500 |
| 26 | 5571 | 5530 | 5444 | 5315 | 5141 | 5583 | 5665 | 5836 | 6095 | 6443 | 1560 |
| 27 | 5570 | 5529 | 5443 | 5312 | 5138 | 5584 | 5668 | 5840 | 6100 | 6449 | 1620 |
| 28 | 5570 | 5527 | 5441 | 5310 | 5135 | 5584 | 5670 | 5843 | 6105 | 6456 | 1680 |
| 29 | 5570 | 5526 | 5439 | 5307 | 5132 | 5585 | 5672 | 5847 | 6110 | 6462 | 1740 |
| 30 | 4.08 5569 | 5525 | 5437 | 5305 | 5128 | 5586 | 5674 | 5851 | 6116 | 6469 | 1800 |
| 31 | 5569 | 5524 | 5435 | 5302 | 5125 | 5587 | 5676 | 5854 | 6121 | 6476 | 1860 |
| 32 | 5569 | 5523 | 5433 | 5300 | 5122 | 5587 | 5679 | 5858 | 6126 | 6482 | 1920 |
| 33 | 5568 | 5522 | 5431 | 5297 | 5118 | 5588 | 5681 | 5862 | 6131 | 6489 | 1980 |
| 34 | 5568 | 5521 | 5430 | 5294 | 5115 | 5589 | 5683 | 5866 | 6136 | 6496 | 2040 |
| 35 | 5567 | 5520 | 5428 | 5292 | 5112 | 5590 | 5685 | 5869 | 6142 | 6503 | 2100 |
| 36 | 5567 | 5518 | 5426 | 5289 | 5108 | 5591 | 5688 | 5873 | 6147 | 6509 | 2160 |
| 37 | 5566 | 5517 | 5424 | 5286 | 5105 | 5592 | 5690 | 5877 | 6152 | 6516 | 2220 |
| 38 | 5566 | 5516 | 5422 | 5284 | 5101 | 5593 | 5693 | 5881 | 6158 | 6523 | 2280 |
| 39 | 5566 | 5515 | 5420 | 5281 | 5098 | 5593 | 5695 | 5885 | 6163 | 6530 | 2340 |
| 40 | 4.08 5565 | 5514 | 5418 | 5278 | 5095 | 5594 | 5697 | 5889 | 6168 | 6537 | 2400 |
| 41 | 5565 | 5512 | 5416 | 5276 | 5091 | 5595 | 5700 | 5893 | 6174 | 6544 | 2460 |
| 42 | 5564 | 5511 | 5414 | 5273 | 5088 | 5596 | 5703 | 5897 | 6179 | 6550 | 2520 |
| 43 | 5564 | 5510 | 5412 | 5270 | 5084 | 5597 | 5705 | 5900 | 6185 | 6557 | 2580 |
| 44 | 5563 | 5509 | 5410 | 5267 | 5081 | 5599 | 5707 | 5905 | 6190 | 6564 | 2640 |
| 45 | 5562 | 5507 | 5408 | 5265 | 5077 | 5600 | 5710 | 5909 | 6196 | 6571 | 2700 |
| 46 | 5562 | 5506 | 5406 | 5262 | 5074 | 5601 | 5713 | 5913 | 6201 | 6578 | 2760 |
| 47 | 5561 | 5505 | 5404 | 5259 | 5070 | 5602 | 5715 | 5917 | 6207 | 6585 | 2820 |
| 48 | 5561 | 5503 | 5402 | 5256 | 5067 | 5603 | 5718 | 5921 | 6212 | 6593 | 2880 |
| 49 | 5560 | 5502 | 5400 | 5254 | 5063 | 5604 | 5720 | 5925 | 6218 | 6600 | 2940 |
| 50 | 4.08 5560 | 5501 | 5398 | 5251 | 5060 | 5605 | 5723 | 5929 | 6223 | 6607 | 3000 |
| 51 | 5559 | 5499 | 5396 | 5248 | 5056 | 5607 | 5726 | 5933 | 6229 | 6614 | 3060 |
| 52 | 5558 | 5498 | 5394 | 5245 | 5052 | 5608 | 5729 | 5937 | 6235 | 6621 | 3120 |
| 53 | 5558 | 5497 | 5392 | 5242 | 5049 | 5609 | 5731 | 5942 | 6241 | 6628 | 3180 |
| 54 | 5557 | 5495 | 5389 | 5239 | 5045 | 5611 | 5734 | 5946 | 6246 | 6635 | 3240 |
| 55 | 5556 | 5494 | 5387 | 5237 | 5042 | 5612 | 5737 | 5950 | 6252 | 6643 | 3300 |
| 56 | 5556 | 5492 | 5385 | 5234 | 5038 | 5613 | 5740 | 5955 | 6258 | 6650 | 3360 |
| 57 | 5555 | 5491 | 5383 | 5231 | 5034 | 5615 | 5743 | 5959 | 6264 | 6657 | 3420 |
| 58 | 5554 | 5490 | 5381 | 5228 | 5031 | 5616 | 5745 | 5963 | 6269 | 6665 | 3480 |
| 59 | 5554 | 5488 | 5379 | 5225 | 5027 | 5618 | 5748 | 5968 | 6275 | 6672 | 3540 |
| | 0'' | 3600'' | 7200'' | 10800'' | 14400'' | 0'' | 3600'' | 7200'' | 10800'' | 14400'' | |

| 0° | Sines. | | | Cosines. | | | Tangents. | | | Cotangents. | | 179° |
|-----|----------|----------|-------|----------|----------|------|-------------|----------|-------|-------------|--------|------|
| | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Log. | Nat. | |
| 0' | 00000 | — ∞ | ∞ | 10000 | 0.000000 | .00 | 00000 | — ∞ | ∞ | + ∞ | ∞ | 60' |
| 1 | 029 | 6.463726 | 5017. | 000 | 0000 | | 029 | 6.463726 | 5017. | 3.536274 | 3437.7 | 59 |
| 2 | 058 | 6.764756 | 2935. | 000 | 0000 | | 058 | 6.764756 | 2935. | 3.235244 | 1718.9 | 58 |
| 3 | 087 | 6.940847 | 2082. | 000 | 0000 | | 087 | 6.940847 | 2082. | 3.059153 | 1145.9 | 57 |
| 4 | 116 | 7.065786 | 1615. | 000 | 0000 | | 116 | 7.065786 | 1615. | 2.934214 | 859.44 | 56 |
| 5 | 145 | 7.162696 | 1320. | 000 | 0000 | | 145 | 7.162696 | 1320. | 2.837304 | 687.55 | 55 |
| 6 | 175 | 7.241877 | 1116. | 000 | 9.999999 | .01 | 175 | 7.241878 | 1116. | 2.758122 | 572.96 | 54 |
| 7 | 204 | 7.308824 | 967. | 000 | 9999 | | 204 | 7.308825 | 967. | 2.691175 | 491.11 | 53 |
| 8 | 233 | 7.366817 | 853. | 000 | 9999 | | 233 | 7.366817 | 853. | 2.633183 | 429.72 | 52 |
| 9 | 262 | 7.417968 | 763. | 000 | 9999 | | 262 | 7.417970 | 763. | 2.582030 | 381.97 | 51 |
| 10 | 00291 | 7.463726 | 690. | 10000 | 9.999998 | .01 | 00291 | 7.463727 | 690. | 2.530273 | 343.77 | 50 |
| 11 | 320 | 7.505118 | 630. | 99999 | 9998 | | 320 | 7.505120 | 630. | 2.494880 | 312.52 | 49 |
| 12 | 349 | 7.542906 | 579. | 999 | 9997 | | 349 | 7.542909 | 579. | 2.457091 | 286.48 | 48 |
| 13 | 378 | 7.577668 | 536. | 999 | 9997 | | 378 | 7.577672 | 536. | 2.422328 | 264.44 | 47 |
| 14 | 407 | 7.609853 | 499. | 999 | 9996 | | 407 | 7.609857 | 499. | 2.390143 | 245.55 | 46 |
| 15 | 436 | 7.639816 | 467. | 999 | 9996 | | 436 | 7.639820 | 467. | 2.360180 | 229.18 | 45 |
| 16 | 465 | 7.667845 | 439. | 999 | 9995 | | 465 | 7.667849 | 439. | 2.332151 | 214.86 | 44 |
| 17 | 495 | 7.694173 | 414. | 999 | 9995 | | 495 | 7.694179 | 414. | 2.305821 | 202.22 | 43 |
| 18 | 524 | 7.718997 | 391. | 999 | 9994 | | 524 | 7.719003 | 391. | 2.280997 | 190.98 | 42 |
| 19 | 553 | 7.742478 | 371. | 998 | 9993 | | 553 | 7.742484 | 371. | 2.257516 | 180.93 | 41 |
| 20 | 00582 | 7.764754 | 353. | 99998 | 9.999993 | .01 | 00582 | 7.764761 | 353. | 2.235239 | 171.89 | 40 |
| 21 | 611 | 7.785943 | 337. | 998 | 9992 | | 611 | 7.785951 | 337. | 2.214049 | 163.70 | 39 |
| 22 | 640 | 7.806146 | 322. | 998 | 9991 | | 640 | 7.806155 | 322. | 2.193845 | 156.26 | 38 |
| 23 | 669 | 7.825451 | 308. | 998 | 9990 | | 669 | 7.825460 | 308. | 2.174540 | 149.47 | 37 |
| 24 | 698 | 7.843934 | 295. | 998 | 9989 | .02 | 698 | 7.843944 | 295. | 2.156056 | 143.24 | 36 |
| 25 | 727 | 7.861662 | 284. | 997 | 9989 | | 727 | 7.861674 | 284. | 2.138826 | 137.51 | 35 |
| 26 | 756 | 7.878695 | 273. | 997 | 9988 | | 756 | 7.878708 | 273. | 2.121292 | 132.22 | 34 |
| 27 | 785 | 7.895085 | 263. | 997 | 9987 | | 785 | 7.895099 | 263. | 2.104901 | 127.32 | 33 |
| 28 | 814 | 7.910879 | 254. | 997 | 9986 | | 815 | 7.910894 | 254. | 2.089106 | 122.77 | 32 |
| 29 | 844 | 7.926119 | 245. | 996 | 9985 | | 844 | 7.926134 | 245. | 2.073866 | 118.54 | 31 |
| 30 | 00873 | 7.940842 | 237. | 99996 | 9.999983 | .02 | 00873 | 7.940858 | 237. | 2.059142 | 114.59 | 30 |
| 31 | 902 | 7.955082 | 230. | 996 | 9982 | | 902 | 7.955100 | 230. | 2.044900 | 110.89 | 29 |
| 32 | 931 | 7.968870 | 223. | 996 | 9981 | | 931 | 7.968889 | 223. | 2.031111 | 107.43 | 28 |
| 33 | 960 | 7.982233 | 216. | 995 | 9980 | | 960 | 7.982253 | 216. | 2.017747 | 104.17 | 27 |
| 34 | 989 | 7.995198 | 210. | 995 | 9979 | | 989 | 7.995219 | 210. | 2.004781 | 101.11 | 26 |
| 35 | 01018 | 8.007787 | 204. | 995 | 9977 | | 01018 | 8.007809 | 204. | 1.992191 | 98.218 | 25 |
| 36 | 047 | 8.020021 | 198. | 995 | 9976 | | 047 | 8.020044 | 198. | 1.979956 | 95.489 | 24 |
| 37 | 076 | 8.031919 | 193. | 994 | 9975 | | 076 | 8.031945 | 193. | 1.968055 | 92.908 | 23 |
| 38 | 105 | 8.043501 | 188. | 994 | 9973 | | 105 | 8.043527 | 188. | 1.956473 | 90.463 | 22 |
| 39 | 134 | 8.054781 | 183. | 994 | 9972 | | 135 | 8.054809 | 183. | 1.945191 | 88.144 | 21 |
| 40 | 01164 | 8.065776 | 179. | 99993 | 9.999971 | .02 | 01164 | 8.065806 | 179. | 1.934194 | 85.940 | 20 |
| 41 | 193 | 8.076500 | 174. | 993 | 9969 | | 193 | 8.076531 | 174. | 1.923469 | 83.844 | 19 |
| 42 | 222 | 8.086965 | 170. | 993 | 9968 | | 222 | 8.086997 | 170. | 1.913003 | 81.847 | 18 |
| 43 | 251 | 8.097183 | 166. | 992 | 9966 | | 251 | 8.097217 | 166. | 1.902783 | 79.943 | 17 |
| 44 | 280 | 8.107167 | 163. | 992 | 9964 | .03 | 280 | 8.107203 | 163. | 1.892797 | 78.126 | 16 |
| 45 | 309 | 8.116926 | 159. | 991 | 9963 | | 309 | 8.116963 | 159. | 1.883037 | 76.390 | 15 |
| 46 | 338 | 8.126471 | 156. | 991 | 9961 | | 338 | 8.126510 | 156. | 1.873490 | 74.729 | 14 |
| 47 | 367 | 8.135810 | 152. | 991 | 9959 | | 367 | 8.135851 | 152. | 1.864149 | 73.139 | 13 |
| 48 | 396 | 8.144953 | 149. | 990 | 9958 | | 396 | 8.144996 | 149. | 1.855004 | 71.615 | 12 |
| 49 | 425 | 8.153907 | 146. | 990 | 9956 | | 425 | 8.153952 | 146. | 1.846048 | 70.153 | 11 |
| 50 | 01454 | 8.162681 | 143. | 99989 | 9.999954 | .03 | 01455 | 8.162727 | 143. | 1.837273 | 68.750 | 10 |
| 51 | 483 | 8.171280 | 141. | 989 | 9952 | | 484 | 8.171328 | 141. | 1.828672 | 67.402 | 9 |
| 52 | 513 | 9713 | 138. | 989 | 9950 | | 513 | 9763 | 138. | 0237 | 66.105 | 8 |
| 53 | 542 | 8.187985 | 135. | 988 | 9948 | | 542 | 8.188036 | 135. | 1.811964 | 64.858 | 7 |
| 54 | 571 | 8.196102 | 133. | 988 | 9946 | | 571 | 8.196156 | 133. | 1.803844 | 63.657 | 6 |
| 55 | 600 | 8.204070 | 130. | 987 | 9944 | | 600 | 8.204126 | 130. | 1.795874 | 62.499 | 5 |
| 56 | 629 | 8.211895 | 128. | 987 | 9942 | .04 | 629 | 8.211953 | 128. | 1.788047 | 61.383 | 4 |
| 57 | 658 | 9581 | 126. | 986 | 9940 | | 658 | 9641 | 126. | 0359 | 60.306 | 3 |
| 58 | 687 | 8.227134 | 124. | 986 | 9938 | | 687 | 8.227195 | 124. | 1.772805 | 59.266 | 2 |
| 59 | 716 | 8.234557 | 122. | 985 | 9936 | | 716 | 8.234621 | 122. | 1.765379 | 58.261 | 1 |
| 60 | 01745 | 8.241855 | | 99985 | 9.999934 | | 01746 | 8.241921 | | 1.758079 | 57.290 | 0 |
| 90° | Cosines. | | | Sines. | | | Cotangents. | | | Tangents. | | 89° |

| 1° | Sines. | | | Cosines. | | | Tangents. | | | Cotangents. | | 178° |
|-----|----------|----------|------|----------|----------|------|-------------|----------|------|-------------|--------|------|
| | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Log. | Nat. | |
| 0' | 01745 | 8.241855 | 120. | 99985 | 9.999934 | .04 | 01746 | 8.241921 | 129. | 1.758079 | 57.290 | 60' |
| 1 | 774 | 9033 | 118. | 984 | 9932 | | 775 | 9102 | 118. | 0898 | 56.351 | 59 |
| 2 | 803 | 8.256094 | 116. | 984 | 9929 | | 804 | 8.256165 | 116. | 1.743835 | 55.442 | 58 |
| 3 | 832 | 8.263042 | 114. | 983 | 9927 | | 833 | 8.263115 | 114. | 1.736885 | 54.561 | 57 |
| 4 | 862 | 9881 | 112. | 983 | 9925 | | 862 | 9956 | 112. | 0044 | 53.709 | 56 |
| 5 | 891 | 8.276614 | 111. | 982 | 9922 | | 891 | 8.276691 | 111. | 1.723309 | 52.882 | 55 |
| 6 | 920 | 8.283243 | 109. | 982 | 9920 | | 920 | 8.283323 | 109. | 1.716677 | .081 | 54 |
| 7 | 949 | 9773 | 107. | 981 | 9918 | | 949 | 9856 | 107. | 0144 | 51.303 | 53 |
| 8 | 978 | 8.296207 | 106. | 980 | 9915 | | 978 | 8.296292 | 106. | 1.703708 | 50.549 | 52 |
| 9 | 02007 | 8.302546 | 104. | 980 | 9913 | | 02007 | 8.302634 | 104. | 1.697366 | 49.816 | 51 |
| 10 | 02036 | 8.308794 | 103. | 99979 | 9.999910 | .04 | 02037 | 8.308884 | 103. | 1.691116 | 49.104 | 50 |
| 11 | 065 | 8.314954 | 101. | 979 | 9907 | | 066 | 8.315046 | 101. | 1.684954 | 48.412 | 49 |
| 12 | 094 | 8.321027 | 99.8 | 978 | 9905 | | 095 | 8.321122 | 99.9 | 1.678878 | 47.740 | 48 |
| 13 | 123 | 7016 | 98.5 | 977 | 9902 | | 124 | 7114 | 98.5 | 2886 | .085 | 47 |
| 14 | 152 | 8.332924 | 97.1 | 977 | 9899 | .05 | 153 | 8.333025 | 97.2 | 1.666975 | 46.449 | 46 |
| 15 | 181 | 8753 | 95.9 | 976 | 9897 | | 182 | 8856 | 95.9 | 1144 | 45.829 | 45 |
| 16 | 211 | 8.344504 | 94.6 | 976 | 9894 | | 211 | 8.344610 | 94.7 | 1.655390 | .226 | 44 |
| 17 | 240 | 8.350181 | 93.4 | 975 | 9891 | | 240 | 8.350289 | 93.4 | 1.649711 | 44.639 | 43 |
| 18 | 269 | 5783 | 92.2 | 974 | 9888 | | 269 | 5895 | 92.2 | 4105 | .066 | 42 |
| 19 | 298 | 8.361315 | 91.0 | 974 | 9885 | | 298 | 8.361430 | 91.1 | 1.638570 | 43.508 | 41 |
| 20 | 02327 | 8.366777 | 89.9 | 99973 | 9.999882 | .05 | 02328 | 8.366895 | 90.0 | 1.633105 | 42.964 | 40 |
| 21 | 356 | 8.372171 | 88.8 | 972 | 9879 | | 357 | 8.372292 | 88.9 | 1.627708 | .433 | 39 |
| 22 | 385 | 7499 | 87.7 | 972 | 9876 | | 386 | 7622 | 87.8 | 2378 | 41.916 | 38 |
| 23 | 414 | 8.382762 | 86.7 | 971 | 9873 | | 415 | 8.382889 | 86.7 | 1.617111 | .411 | 37 |
| 24 | 443 | 7962 | 85.6 | 970 | 9870 | | 444 | 8092 | 85.7 | 1908 | 40.917 | 36 |
| 25 | 472 | 8.393101 | 84.6 | 969 | 9867 | | 473 | 8.393234 | 84.7 | 1.606766 | .436 | 35 |
| 26 | 501 | 8179 | 83.7 | 969 | 9864 | | 502 | 8315 | 83.7 | 1685 | 39.965 | 34 |
| 27 | 530 | 8.403199 | 82.7 | 968 | 9861 | | 531 | 8.403338 | 82.7 | 1.596662 | .506 | 33 |
| 28 | 560 | 8161 | 81.8 | 967 | 9858 | | 560 | 8304 | 81.8 | 1696 | .057 | 32 |
| 29 | 589 | 8.413068 | 80.9 | 966 | 9854 | | 589 | 8.413213 | 80.9 | 1.586787 | 38.618 | 31 |
| 30 | 02618 | 8.417919 | 80.0 | 99966 | 9.999851 | .06 | 02619 | 8.418068 | 80.0 | 1.581932 | 38.188 | 30 |
| 31 | 647 | 8.422717 | 79.1 | 965 | 9848 | | 648 | 8.422869 | 79.1 | 1.577131 | 36.769 | 29 |
| 32 | 676 | 7462 | 78.2 | 964 | 9844 | | 677 | 7618 | 78.3 | 2382 | .358 | 28 |
| 33 | 705 | 8.432156 | 77.4 | 963 | 9841 | | 706 | 8.432315 | 77.5 | 1.567685 | 36.956 | 27 |
| 34 | 734 | 6800 | 76.6 | 963 | 9838 | | 735 | 6962 | 76.6 | 3038 | .563 | 26 |
| 35 | 763 | 8.441394 | 75.8 | 962 | 9834 | | 764 | 8.441560 | 75.8 | 1.558440 | .178 | 25 |
| 36 | 792 | 5941 | 75.0 | 961 | 9831 | | 793 | 6110 | 75.1 | 3890 | 35.801 | 24 |
| 37 | 821 | 8.450440 | 74.2 | 960 | 9827 | | 822 | 8.450613 | 74.3 | 1.549387 | .431 | 23 |
| 38 | 850 | 4893 | 73.5 | 959 | 9824 | | 851 | 5070 | 73.5 | 4930 | .070 | 22 |
| 39 | 879 | 9301 | 72.7 | 959 | 9820 | | 881 | 9481 | 72.8 | 0519 | 34.715 | 21 |
| 40 | 02908 | 8.463665 | 72.0 | 99958 | 9.999816 | .06 | 02910 | 8.463849 | 72.1 | 1.536151 | 34.368 | 20 |
| 41 | 938 | 7985 | 71.3 | 957 | 9813 | | 939 | 8172 | 71.4 | 1828 | .027 | 19 |
| 42 | 967 | 8.472263 | 70.6 | 956 | 9809 | | 968 | 8.472454 | 70.7 | 1.527546 | 33.694 | 18 |
| 43 | 996 | 6498 | 69.9 | 955 | 9805 | | 997 | 6693 | 70.0 | 3307 | .366 | 17 |
| 44 | 03025 | 8.480693 | 69.2 | 954 | 9801 | | 03026 | 8.480892 | 69.3 | 1.519108 | .045 | 16 |
| 45 | 03054 | 4848 | 68.6 | 953 | 9797 | .07 | 055 | 5050 | 68.7 | 4950 | 32.730 | 15 |
| 46 | 083 | 8963 | 67.9 | 952 | 9794 | | 084 | 9170 | 68.0 | 0830 | .421 | 14 |
| 47 | 112 | 8.493040 | 67.3 | 952 | 9790 | | 114 | 8.493250 | 67.4 | 1.506750 | .118 | 13 |
| 48 | 141 | 7078 | 66.7 | 951 | 9786 | | 143 | 7293 | 66.8 | 2707 | 31.821 | 12 |
| 49 | 170 | 8.501080 | 66.1 | 950 | 9782 | | 172 | 8.501298 | 66.2 | 1.498702 | .528 | 11 |
| 50 | 03199 | 8.505045 | 65.5 | 99949 | 9.999778 | .07 | 03201 | 8.505267 | 65.6 | 1.494733 | 31.242 | 10 |
| 51 | 228 | 8974 | 64.9 | 948 | 9774 | | 230 | 9200 | 65.0 | 0800 | 30.960 | 9 |
| 52 | 257 | 8.512867 | 64.3 | 947 | 9769 | | 259 | 8.513098 | 64.4 | 1.486902 | .683 | 8 |
| 53 | 286 | 6726 | 63.8 | 946 | 9765 | | 288 | 6961 | 63.8 | 3039 | .412 | 7 |
| 54 | 316 | 8.520551 | 63.2 | 945 | 9761 | | 317 | 8.520790 | 63.3 | 1.479210 | .145 | 6 |
| 55 | 345 | 4343 | 62.6 | 944 | 9757 | | 346 | 4586 | 62.7 | 5414 | 29.882 | 5 |
| 56 | 374 | 8102 | 62.1 | 943 | 9753 | | 376 | 8349 | 62.2 | 1651 | .625 | 4 |
| 57 | 403 | 8.531828 | 61.6 | 942 | 9748 | | 405 | 8.532080 | 61.7 | 1.467920 | .371 | 3 |
| 58 | 432 | 5523 | 61.1 | 941 | 9744 | | 434 | 5779 | 61.1 | 4221 | .122 | 2 |
| 59 | 461 | 9186 | 60.5 | 940 | 9740 | | 463 | 9447 | 60.6 | 0553 | 28.877 | 1 |
| 60 | 03490 | 8.542819 | | 99939 | 9.999735 | | 03492 | 8.543084 | | 1.456916 | 28.636 | 0 |
| 91° | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Log. | Nat. | 88° |
| | Cosines. | | | Sines. | | | Cotangents. | | | Tangents. | | |

| 2° | Sines. | | | Cosines. | | | Tangents. | | | Cotangents. | | | 177° |
|-----|----------|----------|------|----------|----------|------|-------------|----------|------|-------------|--------|--|------|
| | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Log. | Nat. | | |
| 0' | 03490 | 8.542819 | 60.0 | 99939 | 9.999735 | .07 | 03492 | 8.543084 | 60.1 | 1.456916 | 28.636 | | 60' |
| 1 | 519 | 6422 | 59.6 | 938 | 9731 | | 521 | 0691 | 59.6 | 3309 | .399 | | 59 |
| 2 | 548 | 9995 | 59.1 | 937 | 9726 | | 550 | 8.550268 | 59.1 | 1.449732 | .166 | | 58 |
| 3 | 577 | 8.553539 | 58.6 | 936 | 9722 | .08 | 579 | 3817 | 58.7 | 6183 | 27.937 | | 57 |
| 4 | 606 | 7054 | 58.1 | 935 | 9717 | | 609 | 7336 | 58.2 | 2664 | .712 | | 56 |
| 5 | 635 | 8.560540 | 57.7 | 934 | 9713 | | 638 | 8.560828 | 57.7 | 1.439172 | .490 | | 55 |
| 6 | 664 | 3999 | 57.2 | 933 | 9708 | | 667 | 4291 | 57.3 | 5709 | .271 | | 54 |
| 7 | 693 | 7431 | 56.7 | 932 | 9704 | | 696 | 7727 | 56.8 | 2273 | .057 | | 53 |
| 8 | 723 | 8.570836 | 56.3 | 931 | 9699 | | 725 | 8.571137 | 56.4 | 1.428863 | 26.845 | | 52 |
| 9 | 752 | 4214 | 55.9 | 930 | 9694 | | 754 | 4520 | 55.9 | 5480 | .637 | | 51 |
| 10 | 03781 | 8.577566 | 55.4 | 99929 | 9.999689 | .08 | 03783 | 8.577877 | 55.5 | 1.422123 | 26.432 | | 50 |
| 11 | 810 | 8.580892 | 55.0 | 927 | 9685 | | 812 | 8.581208 | 55.1 | 1.418792 | .230 | | 49 |
| 12 | 839 | 4193 | 54.6 | 926 | 9680 | | 842 | 4514 | 54.7 | 5486 | .031 | | 48 |
| 13 | 868 | 7469 | 54.2 | 925 | 9675 | | 871 | 7795 | 54.3 | 2205 | 25.835 | | 47 |
| 14 | 897 | 8.590721 | 53.8 | 924 | 9670 | | 900 | 8.591051 | 53.9 | 1.408949 | .642 | | 46 |
| 15 | 926 | 3948 | 53.4 | 923 | 9665 | | 929 | 4283 | 53.5 | 5717 | .452 | | 45 |
| 16 | 955 | 7152 | 53.0 | 922 | 9660 | | 958 | 7492 | 53.1 | 2508 | .264 | | 44 |
| 17 | 984 | 8.600332 | 52.6 | 921 | 9655 | | 987 | 8.600677 | 52.7 | 1.399323 | .080 | | 43 |
| 18 | 04013 | 3489 | 52.2 | 919 | 9650 | | 04016 | 3839 | 52.3 | 6161 | 24.898 | | 42 |
| 19 | 042 | 0623 | 51.9 | 918 | 9645 | .09 | 946 | 6978 | 51.9 | 3022 | .719 | | 41 |
| 20 | 04071 | 8.609734 | 51.5 | 99917 | 9.999640 | .09 | 04075 | 8.610094 | 51.6 | 1.389906 | 24.542 | | 40 |
| 21 | 100 | 8.612823 | 51.1 | 916 | 9635 | | 104 | 3189 | 51.2 | 6811 | .368 | | 39 |
| 22 | 129 | 5891 | 50.8 | 915 | 9629 | | 133 | 6262 | 50.9 | 3738 | .196 | | 38 |
| 23 | 159 | 8937 | 50.4 | 913 | 9624 | | 162 | 9313 | 50.5 | 0687 | .026 | | 37 |
| 24 | 188 | 8.621962 | 50.1 | 912 | 9619 | | 191 | 8.622343 | 50.2 | 1.377657 | 23.859 | | 36 |
| 25 | 217 | 4965 | 49.7 | 911 | 9614 | | 220 | 5552 | 49.8 | 4648 | .695 | | 35 |
| 26 | 246 | 7948 | 49.4 | 910 | 9608 | | 250 | 8340 | 49.5 | 1660 | .532 | | 34 |
| 27 | 275 | 8.630911 | 49.0 | 909 | 9603 | | 279 | 8.631308 | 49.1 | 1.368692 | .372 | | 33 |
| 28 | 304 | 3854 | 48.7 | 907 | 9597 | | 308 | 4256 | 48.8 | 5744 | .214 | | 32 |
| 29 | 333 | 6776 | 48.4 | 906 | 9592 | | 337 | 7184 | 48.5 | 2816 | .058 | | 31 |
| 30 | 04362 | 8.639680 | 48.1 | 99905 | 9.999586 | .09 | 04366 | 8.640093 | 48.2 | 1.359907 | 22.904 | | 30 |
| 31 | 391 | 8.642563 | 47.8 | 904 | 9581 | | 395 | 2982 | 47.8 | 7018 | .752 | | 29 |
| 32 | 420 | 5428 | 47.4 | 902 | 9575 | | 424 | 5853 | 47.5 | 4147 | .602 | | 28 |
| 33 | 449 | 8274 | 47.1 | 901 | 9570 | | 454 | 8704 | 47.2 | 1296 | .454 | | 27 |
| 34 | 478 | 8.651102 | 46.8 | 900 | 9564 | | 483 | 8.651537 | 46.9 | 1.348463 | .308 | | 26 |
| 35 | 507 | 3911 | 46.5 | 898 | 9558 | .10 | 512 | 4352 | 46.6 | 5648 | .164 | | 25 |
| 36 | 536 | 6702 | 46.2 | 897 | 9553 | | 541 | 7149 | 46.3 | 2851 | .022 | | 24 |
| 37 | 565 | 9475 | 45.9 | 896 | 9547 | | 570 | 9928 | 46.0 | 0072 | 21.881 | | 23 |
| 38 | 594 | 8.662230 | 45.6 | 894 | 9541 | | 599 | 8.662689 | 45.7 | 1.337311 | .743 | | 22 |
| 39 | 623 | 4968 | 45.4 | 893 | 9535 | | 628 | 5433 | 45.4 | 4567 | .606 | | 21 |
| 40 | 04653 | 8.667689 | 45.1 | 99892 | 9.999529 | .10 | 04658 | 8.668160 | 45.2 | 1.331840 | 21.470 | | 20 |
| 41 | 682 | 8.670393 | 44.8 | 890 | 9524 | | 687 | 8.670870 | 44.9 | 1.329130 | .337 | | 19 |
| 42 | 711 | 3080 | 44.5 | 889 | 9518 | | 716 | 3563 | 44.6 | 6437 | .205 | | 18 |
| 43 | 740 | 5751 | 44.2 | 888 | 9512 | | 745 | 6239 | 44.3 | 3761 | .075 | | 17 |
| 44 | 769 | 8405 | 44.0 | 886 | 9506 | | 774 | 8900 | 44.1 | 1100 | 20.946 | | 16 |
| 45 | 798 | 8.681043 | 43.7 | 885 | 9500 | | 803 | 8.681544 | 43.8 | 1.318456 | .819 | | 15 |
| 46 | 827 | 3665 | 43.4 | 883 | 9493 | | 833 | 4172 | 43.5 | 5828 | .693 | | 14 |
| 47 | 856 | 6272 | 43.2 | 882 | 9487 | | 862 | 6784 | 43.3 | 3216 | .569 | | 13 |
| 48 | 885 | 8863 | 42.9 | 881 | 9481 | | 891 | 9381 | 43.0 | 0619 | .446 | | 12 |
| 49 | 914 | 8.691438 | 42.7 | 879 | 9475 | | 920 | 8.691963 | 42.8 | 1.308037 | .325 | | 11 |
| 50 | 04943 | 8.693998 | 42.4 | 99878 | 9.999469 | .10 | 04949 | 8.694529 | 42.5 | 1.305471 | 20.206 | | 10 |
| 51 | 972 | 6543 | 42.2 | 876 | 9463 | .11 | 978 | 7081 | 42.3 | 2919 | .087 | | 9 |
| 52 | 05001 | 9073 | 41.9 | 875 | 9456 | | 05007 | 9617 | 42.0 | 0383 | 19.970 | | 8 |
| 53 | 030 | 8.701589 | 41.7 | 873 | 9450 | | 037 | 8.702139 | 41.8 | 1.297861 | .855 | | 7 |
| 54 | 059 | 4090 | 41.4 | 872 | 9443 | | 066 | 4646 | 41.6 | 5354 | .740 | | 6 |
| 55 | 088 | 6577 | 41.2 | 870 | 9437 | | 095 | 7140 | 41.3 | 2860 | .627 | | 5 |
| 56 | 117 | 9049 | 41.0 | 869 | 9431 | | 124 | 9618 | 41.1 | 0382 | .516 | | 4 |
| 57 | 146 | 8.711507 | 40.7 | 867 | 9424 | | 153 | 8.712083 | 40.9 | 1.287917 | .405 | | 3 |
| 58 | 175 | 3952 | 40.5 | 866 | 9418 | | 182 | 4534 | 40.6 | 5466 | .296 | | 2 |
| 59 | 205 | 6383 | 40.3 | 864 | 9411 | | 212 | 6972 | 40.4 | 3028 | .188 | | 1 |
| 60 | 05234 | 8800 | | 99863 | 9.999404 | | 05241 | 8.719396 | | 1.280604 | 19.081 | | 0 |
| 92° | Cosines. | | | Sines. | | | Cotangents. | | | Tangents. | | | 87° |
| | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Log. | Nat. | | |

| 3° | Sines. | | | Cosines. | | | Tangents. | | | Cotangents. | | 176° |
|-----|----------|----------|------|----------|----------|------|-------------|----------|------|-------------|--------|------|
| | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Log. | Nat. | |
| 0' | 05234 | 8.718800 | 40.1 | 99863 | 9.999404 | .11 | 05241 | 8.719396 | 40.2 | 1.280604 | 19.081 | 60' |
| 1 | 263 | 8.721204 | 39.8 | 861 | 9398 | | 270 | 8.721806 | 39.9 | 1.278194 | 18.976 | 59 |
| 2 | 292 | 3595 | 39.6 | 860 | 9391 | | 299 | 4204 | 39.7 | 5796 | .871 | 58 |
| 3 | 321 | 5972 | 39.4 | 858 | 9384 | | 328 | 6588 | 39.5 | 3412 | .768 | 57 |
| 4 | 350 | 8337 | 39.2 | 857 | 9378 | | 357 | 8959 | 39.3 | 1041 | .666 | 56 |
| 5 | 379 | 8.730688 | 39.0 | 855 | 9371 | | 387 | 8.731317 | 39.1 | 1.268683 | .564 | 55 |
| 6 | 408 | 3027 | 38.8 | 854 | 9364 | .12 | 416 | 3063 | 38.9 | 6337 | .464 | 54 |
| 7 | 437 | 5354 | 38.6 | 852 | 9357 | | 445 | 5996 | 38.7 | 4004 | .366 | 53 |
| 8 | 466 | 7667 | 38.4 | 851 | 9350 | | 474 | 8317 | 38.5 | 1683 | .268 | 52 |
| 9 | 495 | 9969 | 38.2 | 849 | 9343 | | 503 | 8.740626 | 38.3 | 1.259374 | .171 | 51 |
| 10 | 05524 | 8.742259 | 38.0 | 99847 | 9.999336 | .12 | 05533 | 8.742922 | 38.1 | 1.257078 | 18.075 | 50 |
| 11 | 553 | 4536 | 37.8 | 846 | 9329 | | 562 | 5207 | 37.9 | 4793 | 17.980 | 49 |
| 12 | 582 | 6802 | 37.6 | 844 | 9322 | | 591 | 7479 | 37.7 | 2521 | .886 | 48 |
| 13 | 611 | 9055 | 37.4 | 842 | 9315 | | 620 | 9740 | 37.5 | 0260 | .793 | 47 |
| 14 | 640 | 8.751297 | 37.2 | 841 | 9308 | | 649 | 8.751989 | 37.3 | 1.248011 | .702 | 46 |
| 15 | 669 | 3528 | 37.0 | 839 | 9301 | | 678 | 4227 | 37.1 | 5773 | .611 | 45 |
| 16 | 698 | 5747 | 36.8 | 838 | 9294 | | 708 | 6453 | 36.9 | 3547 | .521 | 44 |
| 17 | 727 | 7955 | 36.6 | 836 | 9287 | | 737 | 8668 | 36.7 | 1332 | .431 | 43 |
| 18 | 756 | 8.760151 | 36.4 | 834 | 9279 | | 766 | 8.760872 | 36.6 | 1.239128 | .343 | 42 |
| 19 | 785 | 2337 | 36.2 | 833 | 9272 | | 795 | 3065 | 36.4 | 6935 | .256 | 41 |
| 20 | 05814 | 8.764511 | 36.1 | 99831 | 9.999265 | .12 | 05824 | 8.765246 | 36.2 | 1.234754 | 17.169 | 40 |
| 21 | 844 | 6675 | 35.9 | 829 | 9257 | | 854 | 7417 | 36.0 | 2583 | .084 | 39 |
| 22 | 873 | 8828 | 35.7 | 827 | 9250 | .13 | 883 | 9578 | 35.8 | 0422 | 16.999 | 38 |
| 23 | 902 | 8.770970 | 35.5 | 826 | 9242 | | 912 | 8.771727 | 35.7 | 1.228273 | .915 | 37 |
| 24 | 931 | 3101 | 35.4 | 824 | 9235 | | 941 | 3866 | 35.5 | 6134 | .832 | 36 |
| 25 | 960 | 5223 | 35.2 | 822 | 9227 | | 970 | 5995 | 35.3 | 4005 | .750 | 35 |
| 26 | 989 | 7333 | 35.0 | 821 | 9220 | | 06000 | 8114 | 35.1 | 1886 | .668 | 34 |
| 27 | 06018 | 9434 | 34.8 | 819 | 9212 | | 029 | 8.780222 | 35.0 | 1.219778 | .587 | 33 |
| 28 | 047 | 8.781524 | 34.7 | 817 | 9205 | | 058 | 2320 | 34.8 | 7680 | .507 | 32 |
| 29 | 076 | 3605 | 34.5 | 815 | 9197 | | 087 | 4408 | 34.6 | 5592 | .428 | 31 |
| 30 | 06105 | 8.785675 | 34.3 | 99813 | 9.999189 | .13 | 06116 | 8.786486 | 34.5 | 1.213514 | 16.350 | 30 |
| 31 | 134 | 7736 | 34.2 | 812 | 9181 | | 145 | 8554 | 34.3 | 1446 | .272 | 29 |
| 32 | 163 | 9787 | 34.0 | 810 | 9174 | | 175 | 8.790613 | 34.2 | 1.209387 | .195 | 28 |
| 33 | 192 | 8.791828 | 33.9 | 808 | 9166 | | 204 | 2662 | 34.0 | 7338 | .119 | 27 |
| 34 | 221 | 3859 | 33.7 | 806 | 9158 | | 233 | 4701 | 33.8 | 5299 | .043 | 26 |
| 35 | 250 | 5881 | 33.5 | 804 | 9150 | | 262 | 6731 | 33.7 | 3269 | 15.969 | 25 |
| 36 | 279 | 7894 | 33.4 | 803 | 9142 | | 291 | 8752 | 33.5 | 1248 | .895 | 24 |
| 37 | 308 | 9897 | 33.2 | 801 | 9134 | | 321 | 8.800763 | 33.3 | 1.190237 | .821 | 23 |
| 38 | 337 | 8.801892 | 33.1 | 799 | 9126 | | 350 | 2765 | 33.2 | 7235 | .748 | 22 |
| 39 | 366 | 3876 | 32.9 | 797 | 9118 | | 379 | 4758 | 33.1 | 5242 | .676 | 21 |
| 40 | 06395 | 8.805852 | 32.8 | 99795 | 9.999110 | .13 | 06408 | 8.806742 | 32.9 | 1.193258 | 15.605 | 20 |
| 41 | 424 | 7819 | 32.6 | 793 | 9102 | | 438 | 8717 | 32.8 | 1283 | .534 | 19 |
| 42 | 453 | 9777 | 32.5 | 792 | 9094 | .14 | 467 | 8.810683 | 32.6 | 1.189317 | .464 | 18 |
| 43 | 482 | 8.811726 | 32.3 | 790 | 9086 | | 496 | 2641 | 32.5 | 7359 | .394 | 17 |
| 44 | 511 | 3667 | 32.2 | 788 | 9077 | | 525 | 4589 | 32.3 | 5411 | .325 | 16 |
| 45 | 540 | 5599 | 32.1 | 786 | 9069 | | 554 | 6529 | 32.2 | 3471 | .257 | 15 |
| 46 | 569 | 7522 | 31.9 | 784 | 9061 | | 584 | 8461 | 32.1 | 1539 | .189 | 14 |
| 47 | 598 | 9436 | 31.8 | 782 | 9053 | | 613 | 8.820384 | 31.9 | 1.179616 | .122 | 13 |
| 48 | 627 | 8.821343 | 31.6 | 780 | 9044 | | 642 | 2298 | 31.8 | 7702 | .056 | 12 |
| 49 | 656 | 3240 | 31.5 | 778 | 9036 | | 671 | 4205 | 31.6 | 5795 | 14.990 | 11 |
| 50 | 06685 | 8.825130 | 31.4 | 99776 | 9.999027 | .14 | 06700 | 8.826103 | 31.5 | 1.173897 | 14.924 | 10 |
| 51 | 714 | 7011 | 31.2 | 774 | 9019 | | 730 | 7992 | 31.4 | 2008 | .860 | 9 |
| 52 | 743 | 8884 | 31.1 | 772 | 9010 | | 759 | 9874 | 31.2 | 0126 | .795 | 8 |
| 53 | 773 | 8.830749 | 30.9 | 770 | 9002 | | 788 | 8.831748 | 31.1 | 1.168252 | .732 | 7 |
| 54 | 802 | 2607 | 30.8 | 768 | 8993 | | 817 | 3613 | 31.0 | 6387 | .669 | 6 |
| 55 | 831 | 4456 | 30.7 | 766 | 8984 | | 847 | 5471 | 30.8 | 4520 | .606 | 5 |
| 56 | 860 | 6297 | 30.6 | 764 | 8976 | | 876 | 7321 | 30.7 | 2679 | .544 | 4 |
| 57 | 889 | 8130 | 30.4 | 762 | 8967 | .15 | 905 | 9163 | 30.6 | 0837 | .482 | 3 |
| 58 | 918 | 9956 | 30.3 | 760 | 8958 | | 934 | 8.840998 | 30.5 | 1.159002 | .421 | 2 |
| 59 | 947 | 8.841774 | 30.2 | 758 | 8950 | | 963 | 2825 | 30.3 | 7175 | .361 | 1 |
| 60 | 06976 | 8.843585 | | 99756 | 9.998941 | | 06993 | 8.844644 | | 1.155356 | 14.301 | 0 |
| 93° | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Log. | Nat. | 86° |
| | Cosines. | | | Sines. | | | Cotangents. | | | Tangents. | | |

| 4° | Sines. | | | Cosines. | | | Tangents. | | | Cotangents. | | 175° |
|-----|----------|----------|------|----------|----------|------|-------------|----------|------|-------------|--------|------|
| | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Log. | Nat. | |
| 0' | 06976 | 8.843585 | 30.1 | 99756 | 9.998941 | .15 | 06993 | 8.844644 | 30.2 | 1.155356 | 14.301 | 60' |
| 1 | 07005 | 5387 | 29.9 | 754 | 8932 | | 07022 | 6455 | 30.1 | 3545 | .241 | 59 |
| 2 | 034 | 7183 | 29.8 | 752 | 8923 | | 051 | 8260 | 30.0 | 1740 | .182 | 58 |
| 3 | 063 | 8971 | 29.7 | 750 | 8914 | | 080 | 8.850057 | 29.8 | 1.149943 | .124 | 57 |
| 4 | 092 | 8.850751 | 29.6 | 748 | 8905 | | 110 | 1846 | 29.7 | 8154 | .065 | 56 |
| 5 | 121 | 2525 | 29.4 | 746 | 8896 | | 139 | 3628 | 29.6 | 6372 | .008 | 55 |
| 6 | 150 | 4291 | 29.3 | 744 | 8887 | | 168 | 5403 | 29.5 | 4597 | 13.951 | 54 |
| 7 | 179 | 6049 | 29.2 | 742 | 8878 | | 197 | 7171 | 29.4 | 2829 | .894 | 53 |
| 8 | 208 | 7801 | 29.1 | 740 | 8869 | | 227 | 8932 | 29.2 | 1068 | .838 | 52 |
| 9 | 237 | 9546 | 29.0 | 738 | 8860 | | 256 | 8.860686 | 29.1 | 1.139314 | .782 | 51 |
| 10 | 07266 | 8.861283 | 28.8 | 99736 | 9.998851 | .15 | 07285 | 8.862433 | 29.0 | 1.137567 | 13.727 | 50 |
| 11 | 295 | 3014 | 28.7 | 734 | 8841 | | 314 | 4173 | 28.9 | 5827 | .672 | 49 |
| 12 | 324 | 4738 | 28.6 | 731 | 8832 | | 344 | 5906 | 28.8 | 4094 | .617 | 48 |
| 13 | 353 | 6455 | 28.5 | 729 | 8823 | .16 | 373 | 7632 | 28.7 | 2368 | .563 | 47 |
| 14 | 382 | 8165 | 28.4 | 727 | 8813 | | 402 | 9351 | 28.5 | 0649 | .510 | 46 |
| 15 | 411 | 9868 | 28.3 | 725 | 8804 | | 431 | 8.871064 | 28.4 | 1.128936 | .457 | 45 |
| 16 | 440 | 8.871565 | 28.2 | 723 | 8795 | | 461 | 2770 | 28.3 | 7230 | .404 | 44 |
| 17 | 469 | 3255 | 28.1 | 721 | 8785 | | 490 | 4469 | 28.2 | 5531 | .352 | 43 |
| 18 | 498 | 4938 | 28.0 | 719 | 8776 | | 519 | 6162 | 28.1 | 3838 | .300 | 42 |
| 19 | 527 | 6615 | 27.8 | 716 | 8766 | | 548 | 7849 | 28.0 | 2151 | .248 | 41 |
| 20 | 07556 | 8.878285 | 27.7 | 99714 | 9.998757 | .16 | 07578 | 8.879529 | 27.9 | 1.120471 | 13.197 | 40 |
| 21 | 585 | 9949 | 27.6 | 712 | 8747 | | 607 | 8.881202 | 27.8 | 1.118798 | .146 | 39 |
| 22 | 614 | 8.881607 | 27.5 | 710 | 8738 | | 636 | 2869 | 27.7 | 7131 | .096 | 38 |
| 23 | 643 | 3258 | 27.4 | 708 | 8728 | | 665 | 4530 | 27.6 | 5470 | .046 | 37 |
| 24 | 672 | 4903 | 27.3 | 705 | 8718 | | 695 | 6185 | 27.5 | 3815 | 12.996 | 36 |
| 25 | 701 | 6542 | 27.2 | 703 | 8708 | | 724 | 7833 | 27.4 | 2167 | .947 | 35 |
| 26 | 730 | 8174 | 27.1 | 701 | 8699 | | 753 | 9476 | 27.3 | 0524 | .898 | 34 |
| 27 | 759 | 9801 | 27.0 | 699 | 8689 | | 782 | 8.891112 | 27.2 | 1.108888 | .850 | 33 |
| 28 | 788 | 8.891421 | 26.9 | 696 | 8679 | | 812 | 2742 | 27.1 | 7258 | .801 | 32 |
| 29 | 817 | 3035 | 26.8 | 694 | 8669 | .17 | 841 | 4366 | 27.0 | 5634 | .754 | 31 |
| 30 | 07846 | 8.894643 | 26.7 | 99692 | 9.998659 | .17 | 07870 | 8.895984 | 26.9 | 1.104016 | 12.706 | 30 |
| 31 | 875 | 6246 | 26.6 | 689 | 8649 | | 899 | 7596 | 26.8 | 2404 | .659 | 29 |
| 32 | 904 | 7842 | 26.5 | 687 | 8639 | | 929 | 9203 | 26.7 | 0797 | .612 | 28 |
| 33 | 933 | 9432 | 26.4 | 685 | 8629 | | 958 | 8.900803 | 26.6 | 1.099197 | .566 | 27 |
| 34 | 962 | 8.901017 | 26.3 | 683 | 8619 | | 987 | 2398 | 26.5 | 7602 | .520 | 26 |
| 35 | 991 | 2596 | 26.2 | 680 | 8609 | | 08017 | 3987 | 26.4 | 6013 | .474 | 25 |
| 36 | 08020 | 4169 | 26.1 | 678 | 8599 | | 046 | 5570 | 26.3 | 4430 | .429 | 24 |
| 37 | 049 | 5736 | 26.0 | 676 | 8589 | | 075 | 7147 | 26.2 | 2853 | .384 | 23 |
| 38 | 078 | 7297 | 25.9 | 673 | 8578 | | 104 | 8719 | 26.1 | 1281 | .339 | 22 |
| 39 | 107 | 8853 | 25.8 | 671 | 8568 | | 134 | 8.910285 | 26.0 | 1.089715 | .295 | 21 |
| 40 | 08136 | 8.910404 | 25.8 | 99668 | 9.998558 | .17 | 08163 | 8.911846 | 25.9 | 1.088154 | 12.251 | 20 |
| 41 | 165 | 1949 | 25.7 | 666 | 8548 | | 192 | 3401 | 25.8 | 6599 | .207 | 19 |
| 42 | 194 | 3488 | 25.6 | 664 | 8537 | | 221 | 4951 | 25.7 | 5049 | .163 | 18 |
| 43 | 223 | 5022 | 25.5 | 661 | 8527 | | 251 | 6495 | | 3505 | .120 | 17 |
| 44 | 252 | 6550 | 25.4 | 659 | 8516 | .18 | 280 | 8034 | 25.6 | 1966 | .077 | 16 |
| 45 | 281 | 8073 | 25.3 | 657 | 8506 | | 309 | 9568 | 25.5 | 0432 | .035 | 15 |
| 46 | 310 | 9591 | 25.2 | 654 | 8495 | | 339 | 8.921096 | 25.4 | 1.078904 | 11.992 | 14 |
| 47 | 339 | 8.921103 | 25.1 | 652 | 8485 | | 368 | 2619 | 25.3 | 7381 | .950 | 13 |
| 48 | 368 | 2610 | 25.0 | 649 | 8474 | | 397 | 4136 | 25.2 | 5864 | .909 | 12 |
| 49 | 397 | 4112 | 24.9 | 647 | 8464 | | 427 | 5649 | 25.1 | 4351 | .867 | 11 |
| 50 | 08426 | 8.925609 | 24.9 | 99644 | 9.998453 | .18 | 08456 | 8.927156 | 25.0 | 1.072844 | 11.826 | 10 |
| 51 | 455 | 7100 | 24.8 | 642 | 8442 | | 485 | 8658 | | 1342 | .785 | 9 |
| 52 | 484 | 8587 | 24.7 | 639 | 8431 | | 514 | 8.930155 | 24.9 | 1.069845 | .745 | 8 |
| 53 | 513 | 8.930068 | 24.6 | 637 | 8421 | | 544 | 1647 | 24.8 | 8353 | .705 | 7 |
| 54 | 542 | 1544 | 24.5 | 635 | 8410 | | 573 | 3134 | 24.7 | 6866 | .664 | 6 |
| 55 | 571 | 3015 | 24.4 | 632 | 8399 | | 602 | 4616 | 24.6 | 5384 | .625 | 5 |
| 56 | 600 | 4481 | | 630 | 8388 | | 632 | 6093 | 24.5 | 3907 | .585 | 4 |
| 57 | 629 | 5942 | 24.3 | 627 | 8377 | | 661 | 7565 | | 2435 | .546 | 3 |
| 58 | 658 | 7398 | 24.2 | 625 | 8366 | | 690 | 9032 | 24.4 | 0968 | .507 | 2 |
| 59 | 687 | 8850 | 24.1 | 622 | 8355 | | 720 | 8.940494 | 24.3 | 1.059506 | .468 | 1 |
| 60 | 08716 | 8.940296 | | 99619 | 9.998344 | | 08749 | 8.941952 | | 1.058048 | 11.430 | 0 |
| 94° | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Log. | Nat. | 85° |
| | Cosines. | | | Sines. | | | Cotangents. | | | Tangents. | | |

| 5° | Sines. | | | Cosines. | | | Tangents. | | | Cotangents. | | 174° |
|-----|----------|----------|------|----------|----------|------|-------------|----------|------|-------------|--------|------|
| | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Log. | Nat. | |
| 0' | 08716 | 8.940296 | 24.0 | 99619 | 9.998344 | .19 | 08749 | 8.941952 | 24.2 | 1.058048 | 11.430 | 60' |
| 1 | 745 | 1738 | 23.9 | 617 | 8333 | | 778 | 3404 | 24.1 | 6596 | .392 | 59 |
| 2 | 774 | 3174 | | 614 | 8322 | | 807 | 4852 | | 5148 | .354 | 58 |
| 3 | 803 | 4606 | 23.8 | 612 | 8311 | | 837 | 6295 | 24.0 | 3705 | .316 | 57 |
| 4 | 831 | 6034 | 23.7 | 609 | 8300 | | 866 | 7734 | 23.9 | 2266 | .279 | 56 |
| 5 | 860 | 7456 | 23.6 | 607 | 8289 | | 895 | 9168 | 23.8 | 0832 | .242 | 55 |
| 6 | 889 | 8874 | | 604 | 8277 | | 925 | 8.950597 | 23.7 | 1.049403 | .205 | 54 |
| 7 | 918 | 8.950287 | 23.5 | 602 | 8266 | | 954 | 2021 | | 7979 | .168 | 53 |
| 8 | 947 | 1696 | 23.4 | 599 | 8255 | | 983 | 3441 | 23.6 | 6559 | .132 | 52 |
| 9 | 976 | 3100 | 23.3 | 596 | 8243 | | 09013 | 4856 | 23.5 | 5144 | .095 | 51 |
| 10 | 09005 | 8.954499 | 23.3 | 99594 | 9.998232 | .19 | 09042 | 8.956267 | 23.4 | 1.043733 | 11.059 | 50 |
| 11 | 034 | 5894 | 23.2 | 591 | 8220 | | 071 | 7674 | | 2326 | .024 | 49 |
| 12 | 063 | 7284 | 23.1 | 588 | 8209 | | 101 | 9075 | 23.3 | 0925 | 10.988 | 48 |
| 13 | 092 | 8670 | 23.0 | 586 | 8197 | | 130 | 8.960473 | 23.2 | 1.039527 | .953 | 47 |
| 14 | 121 | .960052 | | 583 | 8186 | | 159 | 1866 | 23.1 | 8134 | .918 | 46 |
| 15 | 150 | 1429 | 22.9 | 580 | 8174 | | 189 | 3255 | | 6745 | .883 | 45 |
| 16 | 179 | 2801 | 22.8 | 578 | 8163 | | 218 | 4639 | 23.0 | 5361 | .848 | 44 |
| 17 | 208 | 4170 | 22.7 | 575 | 8151 | | 247 | 6019 | 22.9 | 3981 | .814 | 43 |
| 18 | 237 | 5534 | | 572 | 8139 | .20 | 277 | 7394 | | 2606 | .780 | 42 |
| 19 | 266 | 6893 | 22.6 | 570 | 8128 | | 306 | 8766 | 22.8 | 1234 | .746 | 41 |
| 20 | 09295 | 8.968249 | 22.5 | 99567 | 9.998116 | .20 | 09335 | 8.970133 | 22.7 | 1.029867 | 10.712 | 40 |
| 21 | 324 | 9600 | 22.4 | 564 | 8104 | | 365 | 1496 | | 8504 | .678 | 39 |
| 22 | 353 | 8.970947 | | 562 | 8092 | | 394 | 2855 | 22.6 | 7145 | .645 | 38 |
| 23 | 382 | 2289 | 22.3 | 559 | 8080 | | 423 | 4209 | 22.5 | 5791 | .612 | 37 |
| 24 | 411 | 3628 | 22.2 | 556 | 8068 | | 453 | 5560 | 22.4 | 4440 | .579 | 36 |
| 25 | 440 | 4962 | | 553 | 8056 | | 482 | 6906 | | 3094 | .546 | 35 |
| 26 | 469 | 6293 | 22.1 | 551 | 8044 | | 511 | 8248 | 22.3 | 1752 | .514 | 34 |
| 27 | 498 | 7619 | 22.0 | 548 | 8032 | | 541 | 9586 | 22.2 | 0414 | .481 | 33 |
| 28 | 527 | 8941 | | 545 | 8020 | | 570 | 8.980921 | | 1.019079 | .449 | 32 |
| 29 | 556 | 8.980259 | 21.9 | 542 | 8008 | | 600 | 2251 | 22.1 | 7749 | .417 | 31 |
| 30 | 09585 | 8.981573 | 21.8 | 99540 | 9.997996 | .20 | 09629 | 8.983577 | 22.0 | 1.016423 | 10.385 | 30 |
| 31 | 614 | 2883 | | 537 | 7984 | | 658 | 4899 | | 5101 | .354 | 29 |
| 32 | 642 | 4189 | 21.7 | 534 | 7972 | | 688 | 6217 | 21.9 | 3783 | .322 | 28 |
| 33 | 671 | 5491 | 21.6 | 531 | 7959 | | 717 | 7592 | 21.8 | 2468 | .291 | 27 |
| 34 | 700 | 6789 | | 528 | 7947 | | 746 | 8842 | | 1158 | .260 | 26 |
| 35 | 729 | 8083 | 21.5 | 526 | 7935 | .21 | 776 | 8.990149 | 21.7 | 1.009851 | .229 | 25 |
| 36 | 758 | 9374 | 21.4 | 523 | 7922 | | 805 | 1451 | | 8549 | .199 | 24 |
| 37 | 787 | 8.990660 | | 520 | 7910 | | 834 | 2750 | 21.6 | 7250 | .168 | 23 |
| 38 | 816 | 1943 | 21.3 | 517 | 7897 | | 864 | 4045 | 21.5 | 5955 | .138 | 22 |
| 39 | 845 | 3222 | | 514 | 7885 | | 893 | 5337 | | 4663 | .108 | 21 |
| 40 | 09874 | 8.994497 | 21.2 | 99511 | 9.997872 | .21 | 09923 | 8.996624 | 21.4 | 1.003376 | 10.078 | 20 |
| 41 | 903 | 5768 | 21.1 | 508 | 7860 | | 952 | 7908 | 21.3 | 2092 | .048 | 19 |
| 42 | 932 | 7036 | | 506 | 7847 | | 981 | 9188 | | 0812 | .019 | 18 |
| 43 | 961 | 8299 | 21.0 | 503 | 7835 | | 10011 | 9.000465 | 21.2 | 0.999535 | 9.9893 | 17 |
| 44 | 990 | 9560 | 20.9 | 500 | 7822 | | 040 | 1738 | | 8262 | .601 | 16 |
| 45 | 10019 | 9.000816 | | 497 | 7809 | | 069 | 3007 | 21.1 | 6993 | .310 | 15 |
| 46 | 048 | 2069 | 20.8 | 494 | 7797 | | 099 | 4272 | 21.0 | 5728 | .021 | 14 |
| 47 | 077 | 3318 | | 491 | 7784 | | 128 | 5534 | | 4466 | 9.8734 | 13 |
| 48 | 106 | 4563 | 20.7 | 488 | 7771 | | 158 | 6792 | 20.9 | 3208 | .448 | 12 |
| 49 | 135 | 5805 | 20.6 | 485 | 7758 | | 187 | 8047 | | 1953 | .164 | 11 |
| 50 | 10164 | 9.007044 | 20.6 | 99482 | 9.997745 | .21 | 10216 | 9.009298 | 20.8 | 0.990702 | 9.7882 | 10 |
| 51 | 192 | 8278 | 20.5 | 479 | 7732 | | 246 | 9.010546 | 20.7 | 0.989454 | .601 | 9 |
| 52 | 221 | 9510 | | 476 | 7719 | | 275 | 1790 | | 8210 | .322 | 8 |
| 53 | 250 | 9.010737 | 20.4 | 473 | 7706 | | 305 | 3031 | 20.6 | 6969 | .044 | 7 |
| 54 | 279 | 1962 | 20.3 | 470 | 7693 | .22 | 334 | 4268 | | 5732 | 9.6768 | 6 |
| 55 | 308 | 3182 | | 467 | 7680 | | 363 | 5502 | 20.5 | 4498 | .493 | 5 |
| 56 | 337 | 4400 | 20.2 | 464 | 7667 | | 393 | 6732 | | 3268 | .220 | 4 |
| 57 | 366 | 5613 | | 461 | 7654 | | 422 | 7959 | 20.4 | 2041 | 9.5949 | 3 |
| 58 | 395 | 6824 | 20.1 | 458 | 7641 | | 452 | 9183 | 20.3 | 0817 | .679 | 2 |
| 59 | 424 | 8031 | | 455 | 7628 | | 481 | 9.020403 | | 0.979597 | .411 | 1 |
| 60 | 10453 | 9.019235 | | 99452 | 9.997614 | | 10510 | 9.021620 | | 0.978380 | 9.5144 | 0 |
| 95° | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Log. | Nat. | 84° |
| | Cosines. | | | Sines. | | | Cotangents. | | | Tangents. | | |

| 6° | Sines. | | | Cosines. | | | Tangents. | | | Cotangents. | | 173° |
|-----|----------|----------|------|----------|----------|------|-------------|----------|------|-------------|--------|------|
| | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Log. | Nat. | |
| 0' | 10453 | 9.019235 | 20.0 | 99452 | 9.997614 | .22 | 10510 | 9.021620 | 20.2 | 0.978380 | 9.5144 | 60' |
| 1 | 482 | 9.020435 | | 449 | 7601 | | 540 | 2834 | | 7166 | 9.4878 | 59 |
| 2 | 511 | 1632 | 19.9 | 446 | 7588 | | 569 | 4044 | 20.1 | 5956 | 614 | 58 |
| 3 | 540 | 2825 | 19.8 | 443 | 7574 | | 599 | 5251 | | 4749 | 352 | 57 |
| 4 | 569 | 4016 | | 440 | 7561 | | 628 | 6455 | 20.0 | 3545 | 090 | 56 |
| 5 | 597 | 5203 | 19.7 | 437 | 7547 | | 657 | 7655 | | 2345 | 9.3831 | 55 |
| 6 | 626 | 6386 | | 434 | 7534 | .23 | 687 | 8852 | 19.9 | 1148 | 572 | 54 |
| 7 | 655 | 7567 | 19.6 | 431 | 7520 | | 716 | 9.030046 | 19.8 | 0.969954 | 315 | 53 |
| 8 | 684 | 8744 | | 428 | 7507 | | 746 | 1237 | | 8763 | 060 | 52 |
| 9 | 713 | 9918 | 19.5 | 424 | 7493 | | 775 | 2425 | 19.7 | 7575 | 9.2806 | 51 |
| 10 | 10742 | 9.031089 | 19.5 | 99421 | 9.997480 | .23 | 10805 | 9.033609 | 19.7 | 0.966391 | 9.2553 | 50 |
| 11 | 771 | 2257 | 19.4 | 418 | 7466 | | 834 | 4791 | 19.6 | 5209 | 302 | 49 |
| 12 | 800 | 3421 | | 415 | 7452 | | 863 | 5969 | | 4031 | 052 | 48 |
| 13 | 829 | 4582 | 19.3 | 412 | 7439 | | 893 | 7144 | 19.5 | 2856 | 9.1803 | 47 |
| 14 | 858 | 5741 | | 409 | 7425 | | 922 | 8316 | | 1684 | 555 | 46 |
| 15 | 887 | 6896 | 19.2 | 406 | 7411 | | 952 | 9485 | 19.4 | 0515 | 309 | 45 |
| 16 | 916 | 8048 | | 402 | 7397 | | 981 | 9.040651 | | 0.959349 | 065 | 44 |
| 17 | 945 | 9197 | 19.1 | 399 | 7383 | | 11011 | 1813 | 19.3 | 8187 | 9.0821 | 43 |
| 18 | 973 | 9.040342 | | 396 | 7369 | | 040 | 2973 | | 7027 | 579 | 42 |
| 19 | 11002 | 1485 | 19.0 | 393 | 7355 | | 070 | 4130 | 19.2 | 5870 | 338 | 41 |
| 20 | 11031 | 9.042625 | 18.9 | 99390 | 9.997341 | .23 | 11099 | 9.045284 | 19.2 | 0.954716 | 9.0098 | 40 |
| 21 | 060 | 3762 | | 386 | 7327 | .24 | 128 | 6434 | 19.1 | 3566 | 8.9860 | 39 |
| 22 | 089 | 4895 | 18.8 | 383 | 7313 | | 158 | 7582 | | 2418 | 623 | 38 |
| 23 | 118 | 6026 | | 380 | 7299 | | 187 | 8727 | 19.0 | 1273 | 387 | 37 |
| 24 | 147 | 7154 | | 377 | 7285 | | 217 | 9869 | | 0131 | 152 | 36 |
| 25 | 176 | 8279 | 18.7 | 374 | 7271 | | 246 | 9.051008 | 18.9 | 0.948992 | 8.8919 | 35 |
| 26 | 205 | 9400 | | 370 | 7257 | | 276 | 2144 | | 7856 | 686 | 34 |
| 27 | 234 | 9.050519 | 18.6 | 367 | 7242 | | 305 | 3277 | 18.8 | 6723 | 455 | 33 |
| 28 | 263 | 1635 | | 364 | 7228 | | 335 | 4407 | | 5593 | 225 | 32 |
| 29 | 291 | 2749 | 18.5 | 360 | 7214 | | 364 | 5535 | 18.7 | 4465 | 8.7996 | 31 |
| 30 | 11320 | 9.053859 | 18.5 | 99357 | 9.997199 | .24 | 11394 | 9.056659 | 18.7 | 0.943341 | 8.7769 | 30 |
| 31 | 349 | 4966 | 18.4 | 354 | 7185 | | 423 | 7781 | | 2219 | 542 | 29 |
| 32 | 378 | 6071 | | 351 | 7170 | | 452 | 8900 | 18.6 | 1100 | 317 | 28 |
| 33 | 407 | 7172 | 18.3 | 347 | 7156 | | 482 | 9.060016 | | 0.939984 | 093 | 27 |
| 34 | 436 | 8271 | | 344 | 7141 | | 511 | 1130 | 18.5 | 8870 | 8.6870 | 26 |
| 35 | 465 | 9367 | 18.2 | 341 | 7127 | | 541 | 2240 | | 7760 | 648 | 25 |
| 36 | 494 | 9.060460 | | 337 | 7112 | | 570 | 3348 | 18.4 | 6652 | 427 | 24 |
| 37 | 523 | 1551 | 18.1 | 334 | 7098 | | 600 | 4453 | | 5547 | 208 | 23 |
| 38 | 552 | 2639 | | 331 | 7083 | .25 | 629 | 5556 | 18.3 | 4444 | 8.5989 | 22 |
| 39 | 580 | 3724 | 18.0 | 327 | 7068 | | 659 | 6655 | | 3345 | 772 | 21 |
| 40 | 11609 | 9.064806 | 18.0 | 99324 | 9.997053 | .25 | 11688 | 9.067752 | 18.2 | 0.932248 | 8.5555 | 20 |
| 41 | 638 | 5885 | 17.9 | 320 | 7039 | | 718 | 8846 | | 1154 | 340 | 19 |
| 42 | 667 | 6962 | | 317 | 7024 | | 747 | 9938 | | 0062 | 126 | 18 |
| 43 | 696 | 8036 | | 314 | 7009 | | 777 | 9.071027 | 18.1 | 0.928973 | 8.4913 | 17 |
| 44 | 725 | 9107 | 17.8 | 310 | 6994 | | 806 | 2113 | | 7887 | 701 | 16 |
| 45 | 754 | 9.070176 | | 307 | 6979 | | 836 | 3197 | 18.0 | 6803 | 490 | 15 |
| 46 | 783 | 1242 | 17.7 | 303 | 6964 | | 865 | 4278 | | 5722 | 280 | 14 |
| 47 | 812 | 2306 | | 300 | 6949 | | 895 | 5356 | 17.9 | 4644 | 071 | 13 |
| 48 | 840 | 3366 | 17.6 | 297 | 6934 | | 924 | 6432 | | 3568 | 8.3863 | 12 |
| 49 | 869 | 4424 | | 293 | 6919 | | 954 | 7505 | 17.8 | 2495 | 656 | 11 |
| 50 | 11898 | 9.075480 | 17.5 | 99290 | 9.996904 | .25 | 11983 | 9.078576 | 17.8 | 0.921424 | 8.3450 | 10 |
| 51 | 927 | 6533 | | 286 | 6889 | | 12013 | 9644 | | 0356 | 245 | 9 |
| 52 | 956 | 7583 | | 283 | 6874 | | 042 | 9.080710 | 17.6 | 0.919290 | 041 | 8 |
| 53 | 985 | 8631 | 17.4 | 279 | 6858 | | 072 | 1773 | | 8227 | 8.2838 | 7 |
| 54 | 12014 | 9076 | | 276 | 6843 | | 101 | 2833 | 17.6 | 7167 | 636 | 6 |
| 55 | 043 | 9.080719 | 17.3 | 272 | 6828 | | 131 | 3891 | | 6109 | 434 | 5 |
| 56 | 071 | 1759 | | 269 | 6812 | .26 | 160 | 4947 | | 5053 | 234 | 4 |
| 57 | 100 | 2797 | | 265 | 6797 | | 190 | 6000 | 17.5 | 4000 | 035 | 3 |
| 58 | 129 | 3832 | 17.2 | 262 | 6782 | | 219 | 7050 | | 2950 | 8.1837 | 2 |
| 59 | 158 | 4864 | | 258 | 6766 | | 249 | 8098 | 17.4 | 1902 | 640 | 1 |
| 60 | 12187 | 9.085894 | | 99255 | 9.996751 | | 12278 | 9.089144 | | 0.910856 | 8.1443 | 0 |
| 96° | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Log. | Nat. | 83° |
| | Cosines. | | | Sines. | | | Cotangents. | | | Tangents. | | |

| 7° | Sines. | | | Cosines. | | | Tangents. | | | Cotangents. | | 172° |
|-----|----------|----------|------|----------|----------|------|-------------|----------|------|-------------|--------|------|
| | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Log. | Nat. | |
| 0' | 12187 | 9.085894 | 17.1 | 99255 | 9.996751 | .26 | 12278 | 9.089144 | 17.4 | 0.910856 | 8.1443 | 60' |
| 1 | 216 | 6922 | | 251 | 6735 | | 308 | 9.090187 | | 0.909813 | 248 | 59 |
| 2 | 245 | 7947 | 17.0 | 248 | 6720 | | 338 | 1228 | 17.3 | 8772 | 054 | 58 |
| 3 | 274 | 8970 | | 244 | 6704 | | 367 | 2266 | | 7734 | 8,0860 | 57 |
| 4 | 302 | 9990 | | 240 | 6688 | | 397 | 3302 | 17.2 | 6698 | 667 | 56 |
| 5 | 331 | 9.091008 | 16.9 | 237 | 6673 | | 426 | 4336 | | 5664 | 476 | 55 |
| 6 | 360 | 2024 | | 233 | 6657 | | 456 | 5367 | 17.1 | 4633 | 285 | 54 |
| 7 | 389 | 3037 | 16.8 | 230 | 6641 | | 485 | 6395 | | 3605 | 095 | 53 |
| 8 | 418 | 4047 | | 226 | 6625 | | 515 | 7422 | | 2578 | 7.9906 | 52 |
| 9 | 447 | 5056 | | 222 | 6610 | | 544 | 8446 | 17.0 | 1554 | 718 | 51 |
| 10 | 12476 | 9.096062 | 16.7 | 99219 | 9.996594 | .26 | 12574 | 9.099468 | 17.0 | 0.900532 | 7.9530 | 50 |
| 11 | 504 | 7065 | | 215 | 6578 | .27 | 603 | 9.100487 | | 0.899513 | 344 | 49 |
| 12 | 533 | 8066 | | 211 | 6562 | | 633 | 1504 | 16.9 | 8496 | 158 | 48 |
| 13 | 562 | 9065 | 16.6 | 208 | 6546 | | 662 | 2519 | | 7481 | 7.8973 | 47 |
| 14 | 591 | 9.100062 | | 204 | 6530 | | 692 | 3532 | 16.8 | 6468 | 789 | 46 |
| 15 | 620 | 1056 | 16.5 | 200 | 6514 | | 722 | 4542 | | 5458 | 606 | 45 |
| 16 | 649 | 2048 | | 197 | 6498 | | 751 | 5550 | | 4450 | 424 | 44 |
| 17 | 678 | 3037 | | 193 | 6482 | | 781 | 6556 | 16.7 | 3444 | 243 | 43 |
| 18 | 706 | 4025 | 16.4 | 189 | 6465 | | 810 | 7559 | | 2441 | 062 | 42 |
| 19 | 735 | 5010 | | 186 | 6449 | | 840 | 8560 | | 1440 | 7.7882 | 41 |
| 20 | 12764 | 9.105992 | 16.3 | 99182 | 9.996433 | .27 | 12869 | 9.109559 | 16.6 | 0.890441 | 7.7704 | 40 |
| 21 | 793 | 6973 | | 178 | 6417 | | 899 | 9.110556 | | 0.889444 | 525 | 39 |
| 22 | 822 | 7951 | | 175 | 6400 | | 929 | 1551 | 16.5 | 8449 | 348 | 38 |
| 23 | 851 | 8927 | 16.2 | 171 | 6384 | | 958 | 2543 | | 7457 | 171 | 37 |
| 24 | 880 | 9901 | | 167 | 6368 | | 988 | 3533 | | 6467 | 7.6996 | 36 |
| 25 | 908 | 9.110873 | | 163 | 6351 | | 13017 | 4521 | 16.4 | 5479 | 821 | 35 |
| 26 | 937 | 1842 | 16.1 | 160 | 6335 | | 047 | 5507 | | 4493 | 647 | 34 |
| 27 | 966 | 2809 | | 156 | 6318 | | 076 | 6491 | | 3509 | 473 | 33 |
| 28 | 995 | 3774 | 16.0 | 152 | 6302 | .28 | 106 | 7472 | 16.3 | 2528 | 301 | 32 |
| 29 | 13024 | 4737 | | 148 | 6285 | | 136 | 8452 | | 1548 | 129 | 31 |
| 30 | 13053 | 9.115698 | 16.0 | 99144 | 9.996269 | .28 | 13165 | 9.119429 | 16.3 | 0.880571 | 7.5958 | 30 |
| 31 | 081 | 6656 | 15.9 | 141 | 6252 | | 195 | 9.120404 | 16.2 | 0.879596 | 787 | 29 |
| 32 | 110 | 7613 | | 137 | 6235 | | 224 | 1377 | | 8623 | 618 | 28 |
| 33 | 139 | 8567 | | 133 | 6219 | | 254 | 2348 | 16.1 | 7652 | 449 | 27 |
| 34 | 168 | 9519 | 15.8 | 129 | 6202 | | 284 | 3317 | | 6683 | 281 | 26 |
| 35 | 197 | 9.120469 | | 125 | 6185 | | 313 | 4284 | | 5716 | 113 | 25 |
| 36 | 226 | 1417 | | 122 | 6168 | | 343 | 5249 | 16.0 | 4751 | 7.4947 | 24 |
| 37 | 254 | 2362 | 15.7 | 118 | 6151 | | 372 | 6211 | | 3789 | 781 | 23 |
| 38 | 283 | 3306 | | 114 | 6134 | | 402 | 7172 | | 2828 | 615 | 22 |
| 39 | 312 | 4248 | | 110 | 6117 | | 432 | 8130 | 15.9 | 1870 | 451 | 21 |
| 40 | 13341 | 9.125187 | 15.6 | 99106 | 9.996100 | .28 | 13461 | 9.129087 | 15.9 | 0.870913 | 7.4287 | 20 |
| 41 | 370 | 6125 | | 102 | 6083 | .29 | 491 | 9.130041 | | 0.869959 | 124 | 19 |
| 42 | 399 | 7060 | | 098 | 6066 | | 521 | 0994 | 15.8 | 9006 | 7.3962 | 18 |
| 43 | 427 | 7993 | 15.5 | 094 | 6049 | | 550 | 1944 | | 8056 | 800 | 17 |
| 44 | 456 | 8925 | | 091 | 6032 | | 580 | 2893 | | 7107 | 639 | 16 |
| 45 | 485 | 9854 | | 087 | 6015 | | 609 | 3839 | 15.7 | 6161 | 479 | 15 |
| 46 | 514 | 9.130781 | 15.4 | 083 | 5998 | | 639 | 4784 | | 5216 | 319 | 14 |
| 47 | 543 | 1706 | | 079 | 5980 | | 669 | 5726 | | 4274 | 160 | 13 |
| 48 | 572 | 2630 | | 075 | 5963 | | 698 | 6667 | 15.6 | 3333 | 002 | 12 |
| 49 | 600 | 3551 | 15.3 | 071 | 5946 | | 728 | 7605 | | 2395 | 7.2844 | 11 |
| 50 | 13629 | 9.134470 | 15.3 | 99067 | 9.995928 | .29 | 13758 | 9.138542 | 15.6 | 0.861458 | 7.2687 | 10 |
| 51 | 658 | 5387 | | 063 | 5911 | | 787 | 9476 | 15.5 | 0524 | 531 | 9 |
| 52 | 687 | 6303 | 15.2 | 059 | 5894 | | 817 | 9.140409 | | 0.859591 | 375 | 8 |
| 53 | 716 | 7216 | | 055 | 5876 | | 846 | 1340 | | 8600 | 220 | 7 |
| 54 | 744 | 8128 | | 051 | 5859 | | 876 | 2269 | | 7731 | 066 | 6 |
| 55 | 773 | 9037 | 15.1 | 047 | 5841 | | 906 | 3196 | 15.4 | 6804 | 7.1912 | 5 |
| 56 | 802 | 9944 | | 043 | 5823 | | 935 | 4121 | | 5879 | 759 | 4 |
| 57 | 831 | 9.140850 | | 039 | 5806 | | 965 | 5044 | | 4956 | 607 | 3 |
| 58 | 860 | 1754 | 15.0 | 035 | 5788 | | 995 | 5966 | 15.3 | 4034 | 455 | 2 |
| 59 | 889 | 2655 | | 031 | 5771 | | 14024 | 6885 | | 3115 | 304 | 1 |
| 60 | 13917 | 9.143555 | | 99027 | 9.995753 | | 14054 | 9.147803 | | 0.852197 | 7.1154 | 0 |
| 97° | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Log. | Nat. | 82° |
| | Cosines. | | | Sines. | | | Cotangents. | | | Tangents. | | |

| 8° | Sines. | | | Cosines. | | | Tangents. | | | Cotangents. | | 171° |
|-----|----------|----------|------|----------|----------|------|-------------|----------|------|-------------|--------|------|
| | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Log. | Nat. | |
| 0' | 13917 | 9.143555 | 15.0 | 99027 | 9.995753 | .30 | 14054 | 9.147803 | 15.3 | 0.852197 | 7.1154 | 60' |
| 1 | 946 | 4453 | 14.9 | 023 | 5735 | | 084 | 8718 | 15.2 | 1282 | 004 | 59 |
| 2 | 975 | 5349 | | 019 | 5717 | | 113 | 9632 | | 0368 | 7.0855 | 58 |
| 3 | 14004 | 6243 | | 015 | 5699 | | 143 | 9.150544 | | 0.849456 | 706 | 57 |
| 4 | 033 | 7136 | 14.8 | 011 | 5681 | | 173 | 1454 | 15.1 | 8546 | 558 | 56 |
| 5 | 061 | 8026 | | 006 | 5664 | | 202 | 2363 | | 7637 | 411 | 55 |
| 6 | 090 | 8915 | | 002 | 5646 | | 232 | 3269 | | 6731 | 264 | 54 |
| 7 | 119 | 9802 | 14.7 | 98998 | 5628 | | 262 | 4174 | | 5826 | 117 | 53 |
| 8 | 148 | 9.150686 | | 994 | 5610 | | 291 | 5077 | 15.0 | 4923 | 6.9972 | 52 |
| 9 | 177 | 1569 | | 990 | 5591 | | 321 | 5978 | | 4022 | 827 | 51 |
| 10 | 14205 | 9.152451 | 14.7 | 98986 | 9.995573 | .30 | 14351 | 9.150877 | 15.0 | 0.843123 | 6.9682 | 50 |
| 11 | 234 | 3330 | 14.6 | 982 | 5555 | | 381 | 7775 | 14.9 | 2225 | 538 | 49 |
| 12 | 263 | 4208 | | 978 | 5537 | | 410 | 8671 | | 1329 | 395 | 48 |
| 13 | 292 | 5083 | | 973 | 5519 | | 440 | 9565 | | 0435 | 252 | 47 |
| 14 | 320 | 5957 | 14.5 | 969 | 5501 | .31 | 470 | 9.160457 | 14.8 | 0.839543 | 110 | 46 |
| 15 | 349 | 6830 | | 965 | 5482 | | 499 | 1347 | | 8653 | 6.8969 | 45 |
| 16 | 378 | 7700 | | 961 | 5464 | | 529 | 2236 | | 7764 | 828 | 44 |
| 17 | 407 | 8569 | | 957 | 5446 | | 559 | 3123 | | 6877 | 687 | 43 |
| 18 | 436 | 9435 | 14.4 | 953 | 5427 | | 588 | 4008 | 14.7 | 5992 | 548 | 42 |
| 19 | 464 | 9.160301 | | 948 | 5409 | | 618 | 4892 | | 5108 | 408 | 41 |
| 20 | 14493 | 9.161164 | 14.4 | 98944 | 9.995390 | .31 | 14648 | 9.165774 | 14.7 | 0.834226 | 6.8269 | 40 |
| 21 | 522 | 2025 | 14.3 | 940 | 5372 | | 678 | 6654 | 14.6 | 3346 | 131 | 39 |
| 22 | 551 | 2885 | | 936 | 5353 | | 707 | 7532 | | 2468 | 6.7994 | 38 |
| 23 | 580 | 3743 | | 931 | 5334 | | 737 | 8409 | | 1591 | 856 | 37 |
| 24 | 608 | 4600 | 14.2 | 927 | 5316 | | 767 | 9284 | | 0716 | 720 | 36 |
| 25 | 637 | 5454 | | 923 | 5297 | | 796 | 9.170157 | 14.5 | 0.829843 | 584 | 35 |
| 26 | 666 | 6307 | | 919 | 5278 | | 826 | 1029 | | 8971 | 448 | 34 |
| 27 | 695 | 7159 | | 914 | 5260 | | 856 | 1899 | | 8101 | 313 | 33 |
| 28 | 723 | 8008 | 14.1 | 910 | 5241 | .32 | 886 | 2767 | 14.4 | 7233 | 179 | 32 |
| 29 | 752 | 8856 | | 906 | 5222 | | 915 | 3634 | | 6366 | 045 | 31 |
| 30 | 14781 | 9.169702 | 14.1 | 98902 | 9.995203 | | 14945 | 9.174499 | 14.4 | 0.825501 | 6.6912 | 30 |
| 31 | 810 | 9.170547 | 14.0 | 897 | 5184 | | 975 | 5362 | | 4638 | 779 | 29 |
| 32 | 838 | 1389 | | 893 | 5165 | | 15005 | 6224 | 14.3 | 3776 | 646 | 28 |
| 33 | 867 | 2230 | | 889 | 5146 | | 034 | 7084 | | 2916 | 514 | 27 |
| 34 | 896 | 3070 | | 884 | 5127 | | 064 | 7942 | | 2058 | 383 | 26 |
| 35 | 925 | 3908 | 13.9 | 880 | 5108 | | 094 | 8799 | | 1201 | 252 | 25 |
| 36 | 954 | 4744 | | 876 | 5089 | | 124 | 9655 | 14.2 | 0345 | 122 | 24 |
| 37 | 982 | 5578 | | 871 | 5070 | | 153 | 9.180508 | | 0.819492 | 6.5992 | 23 |
| 38 | 011 | 6411 | | 867 | 5051 | | 183 | 1360 | | 8640 | 863 | 22 |
| 39 | 040 | 7242 | 13.8 | 863 | 5032 | | 213 | 2211 | 14.1 | 7789 | 734 | 21 |
| 40 | 15069 | 9.178072 | 13.8 | 98858 | 9.995013 | .32 | 15243 | 9.183059 | 14.1 | 0.816941 | 6.5606 | 20 |
| 41 | 097 | 8900 | | 854 | 4993 | | 272 | 3907 | | 6093 | 478 | 19 |
| 42 | 126 | 9726 | 13.7 | 849 | 4974 | | 302 | 4752 | | 5248 | 350 | 18 |
| 43 | 155 | 9.180551 | | 845 | 4955 | | 332 | 5597 | 14.0 | 4403 | 223 | 17 |
| 44 | 184 | 1374 | | 841 | 4935 | | 362 | 6439 | | 3561 | 097 | 16 |
| 45 | 212 | 2196 | | 836 | 4916 | .33 | 391 | 7280 | | 2720 | 6.4971 | 15 |
| 46 | 241 | 3016 | 13.6 | 832 | 4896 | | 421 | 8120 | | 1880 | 846 | 14 |
| 47 | 270 | 3834 | | 827 | 4877 | | 451 | 8958 | 13.9 | 1042 | 721 | 13 |
| 48 | 299 | 4651 | | 823 | 4857 | | 481 | 9794 | | 0206 | 596 | 12 |
| 49 | 327 | 5466 | | 818 | 4838 | | 511 | 9.190629 | | 0.809371 | 472 | 11 |
| 50 | 15356 | 9.186280 | 13.5 | 98814 | 9.994818 | .33 | 15540 | 9.191462 | 13.9 | 0.808538 | 6.4348 | 10 |
| 51 | 385 | 7092 | | 809 | 4798 | | 570 | 2294 | 13.8 | 7706 | 225 | 9 |
| 52 | 414 | 7903 | | 805 | 4779 | | 600 | 3124 | | 6876 | 103 | 8 |
| 53 | 442 | 8712 | | 800 | 4759 | | 630 | 3953 | | 6047 | 6.3981 | 7 |
| 54 | 471 | 9519 | 13.4 | 796 | 4739 | | 660 | 4780 | | 5220 | 859 | 6 |
| 55 | 500 | 9.190325 | | 791 | 4720 | | 689 | 5606 | 13.7 | 4394 | 737 | 5 |
| 56 | 529 | 1130 | | 787 | 4700 | | 719 | 6430 | | 3570 | 618 | 4 |
| 57 | 557 | 1933 | | 782 | 4680 | | 749 | 7253 | | 2747 | 496 | 3 |
| 58 | 586 | 2734 | 13.3 | 778 | 4660 | | 779 | 8074 | | 1926 | 376 | 2 |
| 59 | 615 | 3534 | | 773 | 4640 | | 809 | 8894 | 13.6 | 1106 | 257 | 1 |
| 60 | 15643 | 9.194332 | | 98769 | 9.994620 | | 15838 | 9.199713 | | 0.800287 | 6.3138 | 0 |
| 98° | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Log. | Nat. | 81° |
| | Cosines. | | | Sines. | | | Cotangents. | | | Tangents. | | |

| 9° | Sines. | | | Cosines. | | | Tangents. | | | Cotangents. | | 170° |
|-----|----------|----------|------|----------|----------|------|-------------|----------|------|-------------|--------|------|
| | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Log. | Nat. | |
| 0' | 15643 | 9.194332 | 13.3 | 98769 | 9.994620 | .33 | 15838 | 9.199713 | 13.6 | 0.800287 | 6.3138 | 60' |
| 1 | 672 | 5129 | | 764 | 4600 | | 868 | 9.200529 | | 0.799471 | 019 | 59 |
| 2 | 701 | 5925 | 13.2 | 760 | 4580 | | 898 | 1345 | | 8655 | 6.2901 | 58 |
| 3 | 730 | 6719 | | 755 | 4560 | .34 | 928 | 2159 | 13.5 | 7841 | 783 | 57 |
| 4 | 758 | 7511 | | 751 | 4540 | | 958 | 2971 | | 7029 | 666 | 56 |
| 5 | 787 | 8302 | | 746 | 4519 | | 988 | 3782 | | 6218 | 549 | 55 |
| 6 | 816 | 9091 | 13.1 | 741 | 4499 | | 16017 | 4592 | | 5408 | 432 | 54 |
| 7 | 845 | 9879 | | 737 | 4479 | | 047 | 5400 | 13.4 | 4600 | 316 | 53 |
| 8 | 873 | 9.200666 | | 732 | 4459 | | 077 | 6207 | | 3793 | 200 | 52 |
| 9 | 902 | 1451 | | 728 | 4438 | | 107 | 7013 | | 2987 | 085 | 51 |
| 10 | 15931 | 9.202234 | 13.0 | 98723 | 9.994418 | .34 | 16137 | 9.207817 | 13.4 | 0.792183 | 6.1970 | 50 |
| 11 | 959 | 3017 | | 718 | 4398 | | 167 | 8619 | | 1381 | 856 | 49 |
| 12 | 988 | 3797 | | 714 | 4377 | | 196 | 9420 | 13.3 | 0580 | 742 | 48 |
| 13 | 16017 | 4577 | | 709 | 4357 | | 226 | 9.210220 | | 0.789780 | 628 | 47 |
| 14 | 046 | 5354 | 12.9 | 704 | 4336 | | 256 | 1018 | | 8982 | 515 | 46 |
| 15 | 074 | 6131 | | 700 | 4316 | | 286 | 1815 | | 8185 | 402 | 45 |
| 16 | 103 | 6906 | | 695 | 4295 | | 316 | 2611 | 13.2 | 7389 | 290 | 44 |
| 17 | 132 | 7679 | | 690 | 4274 | .35 | 346 | 3405 | | 6595 | 178 | 43 |
| 18 | 160 | 8452 | | 686 | 4254 | | 376 | 4198 | | 5802 | 066 | 42 |
| 19 | 189 | 9222 | 12.8 | 681 | 4233 | | 406 | 4989 | | 5011 | 6.0955 | 41 |
| 20 | 16218 | 9.209992 | 12.8 | 98676 | 9.994212 | .35 | 16435 | 9.215780 | 13.1 | 0.784220 | 6.0844 | 40 |
| 21 | 246 | 9.210760 | | 671 | 4191 | | 465 | 6568 | | 3432 | 734 | 39 |
| 22 | 275 | 1526 | | 667 | 4171 | | 495 | 7356 | | 2644 | 624 | 38 |
| 23 | 304 | 2291 | 12.7 | 662 | 4150 | | 525 | 8142 | | 1858 | 514 | 37 |
| 24 | 333 | 3055 | | 657 | 4129 | | 555 | 8926 | | 1074 | 405 | 36 |
| 25 | 361 | 3818 | | 652 | 4108 | | 585 | 9710 | 13.0 | 0290 | 296 | 35 |
| 26 | 390 | 4579 | | 648 | 4087 | | 615 | 9.220492 | | 0.779508 | 188 | 34 |
| 27 | 419 | 5338 | 12.6 | 643 | 4066 | | 645 | 1272 | | 8728 | 080 | 33 |
| 28 | 447 | 6097 | | 638 | 4045 | | 674 | 2052 | | 7948 | 5.9972 | 32 |
| 29 | 476 | 6854 | | 633 | 4024 | | 704 | 2830 | 12.9 | 7170 | 865 | 31 |
| 30 | 16505 | 9.217609 | 12.6 | 98629 | 9.994003 | .35 | 16734 | 9.223607 | 12.9 | 0.776393 | 5.9758 | 30 |
| 31 | 533 | 8363 | 12.5 | 624 | 3982 | | 764 | 4382 | | 5618 | 651 | 29 |
| 32 | 562 | 9116 | | 619 | 3960 | | 794 | 5156 | | 4844 | 545 | 28 |
| 33 | 591 | 9868 | | 614 | 3939 | | 824 | 5929 | | 4071 | 439 | 27 |
| 34 | 620 | 9.220618 | | 609 | 3918 | | 854 | 6700 | 12.8 | 3300 | 333 | 26 |
| 35 | 648 | 1367 | | 604 | 3897 | .36 | 884 | 7471 | | 2529 | 228 | 25 |
| 36 | 677 | 2115 | 12.4 | 600 | 3875 | | 914 | 8239 | | 1761 | 124 | 24 |
| 37 | 706 | 2861 | | 595 | 3854 | | 944 | 9007 | | 0993 | 019 | 23 |
| 38 | 734 | 3606 | | 590 | 3832 | | 974 | 9773 | | 0227 | 5.8915 | 22 |
| 39 | 763 | 4349 | | 585 | 3811 | | 17004 | 9.230539 | 12.7 | 0.769461 | 811 | 21 |
| 40 | 16792 | 9.225092 | 12.3 | 98580 | 9.993789 | .36 | 17033 | 9.231302 | | 0.768698 | 5.8708 | 20 |
| 41 | 820 | 5833 | | 575 | 3768 | | 063 | 2065 | | 7935 | 605 | 19 |
| 42 | 849 | 6573 | | 570 | 3746 | | 093 | 2826 | | 7174 | 502 | 18 |
| 43 | 878 | 7311 | | 565 | 3725 | | 123 | 3586 | 12.6 | 6414 | 400 | 17 |
| 44 | 906 | 8048 | | 561 | 3703 | | 153 | 4345 | | 5655 | 298 | 16 |
| 45 | 935 | 8784 | 12.2 | 556 | 3681 | | 183 | 5103 | | 4897 | 197 | 15 |
| 46 | 964 | 9518 | | 551 | 3660 | | 213 | 5859 | | 4141 | 095 | 14 |
| 47 | 992 | 9.230252 | | 546 | 3638 | | 243 | 6614 | | 3386 | 5.7994 | 13 |
| 48 | 17021 | 0984 | | 541 | 3616 | | 273 | 7368 | 12.5 | 2632 | 894 | 12 |
| 49 | 050 | 1715 | | 536 | 3594 | .37 | 303 | 8120 | | 1880 | 794 | 11 |
| 50 | 17078 | 9.232444 | 12.1 | 98531 | 9.993572 | .37 | 17333 | 9.238872 | 12.5 | 0.761128 | 5.7694 | 10 |
| 51 | 107 | 3172 | | 526 | 3550 | | 363 | 9622 | | 0378 | 594 | 9 |
| 52 | 136 | 3899 | | 521 | 3528 | | 393 | 9.240371 | | 0.759629 | 495 | 8 |
| 53 | 164 | 4625 | | 516 | 3506 | | 423 | 1118 | 12.4 | 8882 | 396 | 7 |
| 54 | 193 | 5349 | | 511 | 3484 | | 453 | 1865 | | 8135 | 297 | 6 |
| 55 | 222 | 6073 | 12.0 | 506 | 3462 | | 483 | 2610 | | 7390 | 199 | 5 |
| 56 | 250 | 6795 | | 501 | 3440 | | 513 | 3354 | | 6646 | 101 | 4 |
| 57 | 279 | 7515 | | 496 | 3418 | | 543 | 4097 | | 5903 | 004 | 3 |
| 58 | 308 | 8235 | | 491 | 3396 | | 573 | 4839 | 12.3 | 5161 | 5.6906 | 2 |
| 59 | 336 | 8953 | | 486 | 3374 | | 603 | 5579 | | 4421 | 809 | 1 |
| 60 | 17365 | 9.239670 | | 98481 | 9.993351 | | 17633 | 9.246319 | | 0.753681 | 5.6713 | 0 |
| 99° | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Log. | Nat. | 80° |
| | Cosines. | | | Sines. | | | Cotangents. | | | Tangents. | | |

| 10° | Sines. | | | Cosines. | | | Tangents. | | | Cotangents. | | 169° |
|------|----------|----------|------|----------|----------|------|-------------|----------|------|-------------|--------|------|
| | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Log. | Nat. | |
| 0' | 17365 | 9.239670 | 11.9 | 98481 | 9.993351 | .37 | 17633 | 9.246319 | 12.3 | 0.753681 | 5.6713 | 60' |
| 1 | 393 | 9.240386 | | 476 | 3329 | | 663 | 7057 | | 2943 | 617 | 59 |
| 2 | 422 | 1101 | | 471 | 3307 | | 693 | 7794 | | 2206 | 521 | 58 |
| 3 | 451 | 1814 | | 466 | 3284 | | 723 | 8530 | 12.2 | 1470 | 425 | 57 |
| 4 | 479 | 2526 | 11.8 | 461 | 3262 | | 753 | 9264 | | 0736 | 329 | 56 |
| 5 | 508 | 3237 | | 455 | 3240 | | 783 | 9998 | | 0002 | 234 | 55 |
| 6 | 537 | 3947 | | 450 | 3217 | .38 | 813 | 9.250730 | | 0.740270 | 146 | 54 |
| 7 | 565 | 4656 | | 445 | 3195 | | 843 | 1461 | | 8539 | 045 | 53 |
| 8 | 594 | 5363 | | 440 | 3172 | | 873 | 2191 | 12.1 | 7809 | 5.5951 | 52 |
| 9 | 623 | 6069 | 11.7 | 435 | 3149 | | 903 | 2920 | | 7080 | 857 | 51 |
| 10 | 17651 | 9.246775 | 11.7 | 98430 | 9.993127 | .38 | 17933 | 9.253648 | 12.1 | 0.746352 | 5.5764 | 50 |
| 11 | 680 | 7478 | | 425 | 3104 | | 963 | 4374 | | 5626 | 671 | 49 |
| 12 | 708 | 8181 | | 420 | 3081 | | 993 | 5100 | | 4900 | 578 | 48 |
| 13 | 737 | 8883 | | 414 | 3059 | | 18023 | 5824 | | 4176 | 485 | 47 |
| 14 | 766 | 9583 | 11.6 | 409 | 3036 | | 053 | 6547 | 12.0 | 3453 | 393 | 46 |
| 15 | 794 | 9.250282 | | 404 | 3013 | | 083 | 7269 | | 2731 | 301 | 45 |
| 16 | 823 | 0980 | | 399 | 2990 | | 113 | 7990 | | 2010 | 209 | 44 |
| 17 | 852 | 1677 | | 394 | 2967 | | 143 | 8710 | | 1290 | 118 | 43 |
| 18 | 880 | 2373 | | 389 | 2944 | | 173 | 9429 | | 0571 | 026 | 42 |
| 19 | 909 | 3077 | | 383 | 2921 | | 203 | 9.260146 | 11.9 | 0.739854 | 5.4936 | 41 |
| 20 | 17937 | 9.253761 | 11.5 | 98378 | 9.992898 | .38 | 18233 | 9.260863 | 11.9 | 0.739137 | 5.4845 | 40 |
| 21 | 966 | 4453 | | 373 | 2875 | | 263 | 1578 | | 8422 | 755 | 39 |
| 22 | 995 | 5144 | | 368 | 2852 | | 293 | 2292 | | 7708 | 665 | 38 |
| 23 | 18023 | 5834 | | 362 | 2829 | .39 | 323 | 3005 | | 6995 | 575 | 37 |
| 24 | 052 | 6523 | | 357 | 2806 | | 353 | 3717 | 11.8 | 6283 | 486 | 36 |
| 25 | 081 | 7211 | 11.4 | 352 | 2783 | | 384 | 4428 | | 5572 | 397 | 35 |
| 26 | 109 | 7898 | | 347 | 2759 | | 414 | 5138 | | 4862 | 308 | 34 |
| 27 | 138 | 8583 | | 341 | 2736 | | 444 | 5847 | | 4153 | 219 | 33 |
| 28 | 166 | 9268 | | 336 | 2713 | | 474 | 6555 | | 3445 | 131 | 32 |
| 29 | 195 | 9951 | | 331 | 2690 | | 504 | 7261 | | 2739 | 043 | 31 |
| 30 | 18224 | 9.260633 | 11.3 | 98325 | 9.992666 | .39 | 18534 | 9.267967 | 11.7 | 0.732033 | 5.3955 | 30 |
| 31 | 252 | 1314 | | 320 | 2643 | | 564 | 8671 | | 1329 | 868 | 29 |
| 32 | 281 | 1994 | | 315 | 2619 | | 594 | 9375 | | 0625 | 781 | 28 |
| 33 | 309 | 2673 | | 310 | 2596 | | 624 | 9.270077 | | 0.729923 | 694 | 27 |
| 34 | 338 | 3351 | | 304 | 2572 | | 654 | 0779 | | 9221 | 607 | 26 |
| 35 | 367 | 4027 | | 299 | 2549 | | 684 | 1479 | | 8521 | 521 | 25 |
| 36 | 395 | 4703 | 11.2 | 294 | 2525 | | 714 | 2178 | 11.6 | 7822 | 435 | 24 |
| 37 | 424 | 5377 | | 288 | 2501 | | 745 | 2876 | | 7124 | 349 | 23 |
| 38 | 452 | 6051 | | 283 | 2478 | .40 | 775 | 3573 | | 6427 | 263 | 22 |
| 39 | 481 | 6723 | | 277 | 2454 | | 805 | 4269 | | 5731 | 178 | 21 |
| 40 | 18509 | 9.267395 | 11.2 | 98272 | 9.992430 | .40 | 18835 | 9.274964 | 11.6 | 0.725036 | 5.3993 | 20 |
| 41 | 538 | 8065 | | 267 | 2406 | | 865 | 5658 | 11.5 | 4342 | 008 | 19 |
| 42 | 567 | 8734 | 11.1 | 261 | 2382 | | 895 | 6351 | | 3649 | 5.2924 | 18 |
| 43 | 595 | 9402 | | 256 | 2359 | | 925 | 7043 | | 2957 | 839 | 17 |
| 44 | 624 | 9.270069 | | 250 | 2335 | | 955 | 7734 | | 2266 | 755 | 16 |
| 45 | 652 | 0735 | | 245 | 2311 | | 986 | 8424 | | 1576 | 672 | 15 |
| 46 | 681 | 1400 | | 240 | 2287 | | 19016 | 9113 | | 0887 | 588 | 14 |
| 47 | 710 | 2064 | 11.0 | 234 | 2263 | | 046 | 9801 | 11.4 | 0199 | 505 | 13 |
| 48 | 738 | 2726 | | 229 | 2239 | | 076 | 9.280488 | | 0.719512 | 422 | 12 |
| 49 | 767 | 3388 | | 223 | 2214 | | 106 | 1174 | | 8826 | 339 | 11 |
| 50 | 18795 | 9.274049 | 11.0 | 98218 | 9.992190 | .40 | 19136 | 9.281858 | 11.4 | 0.718142 | 5.2257 | 10 |
| 51 | 824 | 4708 | | 212 | 2166 | | 166 | 2542 | | 7458 | 174 | 9 |
| 52 | 852 | 5367 | | 207 | 2142 | | 197 | 3225 | | 6775 | 092 | 8 |
| 53 | 881 | 6025 | 10.9 | 201 | 2118 | | 227 | 3907 | 11.3 | 6093 | 011 | 7 |
| 54 | 910 | 6681 | | 196 | 2093 | | 257 | 4588 | | 5412 | 5.1929 | 6 |
| 55 | 938 | 7337 | | 190 | 2069 | | 287 | 5268 | | 4732 | 848 | 5 |
| 56 | 967 | 7991 | | 185 | 2044 | | 317 | 5947 | | 4053 | 767 | 4 |
| 57 | 995 | 8645 | | 179 | 2020 | | 347 | 6624 | | 3376 | 686 | 3 |
| 58 | 19024 | 9297 | | 174 | 1996 | | 378 | 7301 | | 2699 | 606 | 2 |
| 59 | 052 | 9948 | 10.8 | 168 | 1971 | | 408 | 7977 | | 2023 | 526 | 1 |
| 60 | 19081 | 9.280599 | | 98163 | 9.991947 | | 19438 | 9.288652 | | 0.711348 | 5.1446 | 0 |
| 100° | Cosines. | | | Sines. | | | Cotangents. | | | Tangents. | | 79° |
| | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Log. | Nat. | |

| 11° | Sines. | | | Cosines. | | | Tangents. | | | Cotangents. | | 168° |
|------|----------|----------|------|----------|----------|------|-------------|----------|------|-------------|--------|------|
| | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Log. | Nat. | |
| 0' | 19081 | 9.280599 | 10.8 | 98163 | 9.991947 | .41 | 19438 | 9.288652 | 11.2 | 0.711348 | 5.1446 | 60' |
| 1 | 109 | 1248 | | 157 | 1922 | | 468 | 9326 | | 0674 | 366 | 59 |
| 2 | 138 | 1897 | | 152 | 1897 | | 498 | 9999 | | 0001 | 286 | 58 |
| 3 | 167 | 2544 | | 146 | 1873 | | 529 | 9.290671 | | 0.709329 | 207 | 57 |
| 4 | 195 | 3190 | | 140 | 1848 | | 559 | 1342 | | 8658 | 128 | 56 |
| 5 | 224 | 3836 | 10.7 | 135 | 1823 | | 589 | 2013 | 11.1 | 7987 | 049 | 55 |
| 6 | 252 | 4480 | | 129 | 1799 | | 619 | 2682 | | 7318 | 5.0970 | 54 |
| 7 | 281 | 5124 | | 124 | 1774 | .42 | 649 | 3350 | | 6650 | 892 | 53 |
| 8 | 309 | 5766 | | 118 | 1749 | | 680 | 4017 | | 5983 | 814 | 52 |
| 9 | 338 | 6408 | | 112 | 1724 | | 710 | 4684 | | 5316 | 736 | 51 |
| 10 | 19366 | 9.287048 | 10.7 | 98107 | 9.991699 | .42 | 19740 | 9.295349 | 11.1 | 0.704651 | 5.0658 | 50 |
| 11 | 395 | 7688 | 10.6 | 101 | 1674 | | 770 | 6013 | | 3987 | 581 | 49 |
| 12 | 423 | 8326 | | 096 | 1649 | | 801 | 6677 | 11.0 | 3323 | 504 | 48 |
| 13 | 452 | 8964 | | 090 | 1624 | | 831 | 7339 | | 2661 | 427 | 47 |
| 14 | 481 | 9600 | | 084 | 1599 | | 861 | 8001 | | 1999 | 350 | 46 |
| 15 | 509 | 9.290236 | | 079 | 1574 | | 891 | 8662 | | 1338 | 273 | 45 |
| 16 | 538 | 0870 | | 073 | 1549 | | 921 | 9322 | | 0678 | 197 | 44 |
| 17 | 566 | 1504 | 10.5 | 067 | 1524 | | 952 | 9980 | | 0020 | 121 | 43 |
| 18 | 595 | 2137 | | 061 | 1498 | | 982 | 9.300638 | 10.9 | 0.699362 | 045 | 42 |
| 19 | 623 | 2768 | | 056 | 1473 | | 20012 | 1295 | | 8705 | 4.9970 | 41 |
| 20 | 19652 | 9.293399 | 10.5 | 98050 | 9.991448 | .42 | 20042 | 9.301951 | 10.9 | 0.698049 | 4.9894 | 40 |
| 21 | 680 | 4029 | | 044 | 1422 | | 073 | 2607 | | 7393 | 819 | 39 |
| 22 | 709 | 4658 | | 039 | 1397 | | 103 | 3261 | | 6739 | 744 | 38 |
| 23 | 737 | 5286 | 10.4 | 033 | 1372 | .43 | 133 | 3914 | | 6086 | 669 | 37 |
| 24 | 766 | 5913 | | 027 | 1346 | | 164 | 4567 | | 5433 | 594 | 36 |
| 25 | 794 | 6539 | | 021 | 1321 | | 194 | 5218 | 10.8 | 4782 | 520 | 35 |
| 26 | 823 | 7164 | | 016 | 1295 | | 224 | 5869 | | 4131 | 446 | 34 |
| 27 | 851 | 7788 | | 010 | 1270 | | 254 | 6519 | | 3481 | 372 | 33 |
| 28 | 880 | 8412 | | 004 | 1244 | | 285 | 7168 | | 2832 | 298 | 32 |
| 29 | 908 | 9034 | | 97998 | 1218 | | 315 | 7816 | | 2184 | 225 | 31 |
| 30 | 19937 | 9.299655 | 10.3 | 97992 | 9.991193 | .43 | 20345 | 9.308463 | 10.8 | 0.691537 | 4.9152 | 30 |
| 31 | 965 | 9.300276 | | 987 | 1167 | | 376 | 9109 | | 0891 | 078 | 29 |
| 32 | 994 | 0895 | | 981 | 1141 | | 406 | 9754 | 10.7 | 0246 | 006 | 28 |
| 33 | 20022 | 1514 | | 975 | 1115 | | 436 | 9.310399 | | 0.689601 | 4.8933 | 27 |
| 34 | 051 | 2132 | | 969 | 1090 | | 466 | 1042 | | 8958 | 860 | 26 |
| 35 | 079 | 2748 | | 963 | 1064 | | 497 | 1685 | | 8315 | 788 | 25 |
| 36 | 108 | 3364 | 10.2 | 958 | 1038 | | 527 | 2327 | | 7673 | 716 | 24 |
| 37 | 136 | 3979 | | 952 | 1012 | | 557 | 2968 | | 7032 | 644 | 23 |
| 38 | 165 | 4593 | | 946 | 0986 | | 588 | 3608 | | 6392 | 573 | 22 |
| 39 | 193 | 5207 | | 940 | 0960 | | 618 | 4247 | 10.6 | 5753 | 501 | 21 |
| 40 | 20222 | 9.305819 | 10.2 | 97934 | 9.990934 | .44 | 20648 | 9.314885 | 10.6 | 0.685115 | 4.8430 | 20 |
| 41 | 250 | 6430 | | 928 | 0908 | | 679 | 5523 | | 4477 | 359 | 19 |
| 42 | 279 | 7041 | | 922 | 0882 | | 709 | 6159 | | 3841 | 288 | 18 |
| 43 | 307 | 7650 | 10.1 | 916 | 0855 | | 739 | 6795 | | 3205 | 218 | 17 |
| 44 | 336 | 8259 | | 910 | 0829 | | 770 | 7430 | | 2570 | 147 | 16 |
| 45 | 364 | 8867 | | 905 | 0803 | | 800 | 8064 | | 1936 | 077 | 15 |
| 46 | 393 | 9474 | | 899 | 0777 | | 830 | 8697 | 10.5 | 1303 | 007 | 14 |
| 47 | 421 | 9.310080 | | 893 | 0750 | | 861 | 9330 | | 0670 | 4.7937 | 13 |
| 48 | 450 | 0685 | | 887 | 0724 | | 891 | 9961 | | 0039 | 867 | 12 |
| 49 | 478 | 1289 | | 881 | 0697 | | 921 | 9.320592 | | 0.679408 | 798 | 11 |
| 50 | 20507 | 9.311893 | 10.0 | 97875 | 9.990671 | .44 | 20952 | 9.321222 | 10.5 | 0.678778 | 4.7729 | 10 |
| 51 | 535 | 2495 | | 869 | 0645 | | 982 | 1851 | | 8149 | 659 | 9 |
| 52 | 563 | 3097 | | 863 | 0618 | | 21013 | 2479 | | 7521 | 591 | 8 |
| 53 | 592 | 3698 | | 857 | 0591 | | 043 | 3106 | 10.4 | 6894 | 522 | 7 |
| 54 | 620 | 4297 | 9.98 | 851 | 0565 | | 073 | 3733 | | 6267 | 453 | 6 |
| 55 | 649 | 4897 | 9.97 | 845 | 0538 | | 104 | 4358 | | 5642 | 385 | 5 |
| 56 | 677 | 5495 | 9.96 | 839 | 0511 | .45 | 134 | 4983 | | 5017 | 317 | 4 |
| 57 | 706 | 6092 | 9.94 | 833 | 0485 | | 164 | 5607 | | 4393 | 249 | 3 |
| 58 | 734 | 6689 | 9.93 | 827 | 0458 | | 195 | 6231 | | 3769 | 181 | 2 |
| 59 | 763 | 7284 | 9.91 | 821 | 0431 | | 225 | 6853 | | 3147 | 114 | 1 |
| 60 | 20791 | 9.317879 | | 97815 | 9.990404 | | 21256 | 9.327475 | | 0.672525 | 4.7046 | 0 |
| 101° | Cosines. | | | Sines. | | | Cotangents. | | | Tangents. | | 78° |
| | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Log. | Nat. | |

| 12° | Sines. | | | Cosines. | | | Tangents. | | | Cotangents. | | 167° |
|------|----------|----------|------|----------|----------|------|-------------|----------|------|-------------|--------|------|
| | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Log. | Nat. | |
| 0' | 20791 | 9.317879 | 9.90 | 97815 | 9.990404 | .45 | 21256 | 9.327475 | 10.3 | 0.672525 | 4.7046 | 60' |
| 1 | 820 | 8473 | 9.88 | 809 | 0378 | | 286 | 8095 | | 1905 | 4.6979 | 59 |
| 2 | 848 | 9066 | 9.87 | 803 | 0351 | | 316 | 8715 | | 1285 | 912 | 58 |
| 3 | 877 | 9658 | 9.86 | 797 | 0324 | | 347 | 9334 | | 0666 | 845 | 57 |
| 4 | 905 | 9.320249 | 9.84 | 791 | 0297 | | 377 | 9953 | | 0047 | 779 | 56 |
| 5 | 933 | 0840 | 9.83 | 784 | 0270 | | 408 | 9.330570 | | 0.669430 | 712 | 55 |
| 6 | 962 | 1430 | 9.82 | 778 | 0243 | | 438 | 1187 | | 8813 | 646 | 54 |
| 7 | 990 | 2019 | 9.80 | 772 | 0215 | | 469 | 1803 | 10.2 | 8197 | 580 | 53 |
| 8 | 21019 | 2607 | 9.79 | 766 | 0188 | | 499 | 2418 | | 7582 | 514 | 52 |
| 9 | 047 | 3194 | 9.77 | 760 | 0161 | | 529 | 3033 | | 6967 | 448 | 51 |
| 10 | 21076 | 9.323780 | 9.76 | 97754 | 9.990134 | .45 | 21560 | 9.333646 | 10.2 | 0.666354 | 4.6382 | 50 |
| 11 | 104 | 4366 | 9.75 | 748 | 0107 | .46 | 590 | 4259 | | 5741 | 317 | 49 |
| 12 | 132 | 4950 | 9.73 | 742 | 0079 | | 621 | 4871 | | 5129 | 252 | 48 |
| 13 | 161 | 5534 | 9.72 | 735 | 0052 | | 651 | 5482 | | 4518 | 187 | 47 |
| 14 | 189 | 6117 | 9.70 | 729 | 0025 | | 682 | 6093 | | 3907 | 122 | 46 |
| 15 | 218 | 6700 | 9.69 | 723 | 9.989997 | | 712 | 6702 | 10.1 | 3298 | 057 | 45 |
| 16 | 246 | 7281 | 9.68 | 717 | 9970 | | 743 | 7311 | | 2689 | 4.5993 | 44 |
| 17 | 275 | 7862 | 9.66 | 711 | 9942 | | 773 | 7919 | | 2081 | 928 | 43 |
| 18 | 303 | 8442 | 9.65 | 705 | 9915 | | 804 | 8527 | | 1473 | 864 | 42 |
| 19 | 331 | 9021 | 9.64 | 698 | 9887 | | 834 | 9133 | | 0867 | 800 | 41 |
| 20 | 21360 | 9.329599 | 9.62 | 97692 | 9.989860 | .46 | 21864 | 9.339739 | 10.1 | 0.660261 | 4.5736 | 40 |
| 21 | 388 | 9.330176 | 9.61 | 686 | 9832 | | 895 | 9.340344 | | 0.659656 | 673 | 39 |
| 22 | 417 | 0753 | 9.60 | 680 | 9804 | | 925 | 9948 | | 9052 | 609 | 38 |
| 23 | 445 | 1329 | 9.58 | 673 | 9777 | | 956 | 1552 | 10.0 | 8448 | 546 | 37 |
| 24 | 474 | 1903 | 9.57 | 667 | 9749 | .47 | 986 | 2155 | | 7845 | 483 | 36 |
| 25 | 502 | 2478 | 9.56 | 661 | 9721 | | 22017 | 2757 | | 7243 | 420 | 35 |
| 26 | 530 | 3051 | 9.54 | 655 | 9693 | | 047 | 3358 | | 6642 | 357 | 34 |
| 27 | 559 | 3624 | 9.53 | 648 | 9665 | | 078 | 3958 | 9.99 | 6042 | 294 | 33 |
| 28 | 587 | 4195 | 9.52 | 642 | 9637 | | 108 | 4558 | 9.98 | 5442 | 232 | 32 |
| 29 | 616 | 4767 | 9.50 | 636 | 9610 | | 139 | 5157 | 9.97 | 4843 | 169 | 31 |
| 30 | 21644 | 9.335337 | 9.49 | 97630 | 9.989582 | .47 | 22169 | 9.345755 | 9.96 | 0.654245 | 4.5107 | 30 |
| 31 | 672 | 5906 | 9.48 | 623 | 9553 | | 200 | 6353 | 9.94 | 3647 | 045 | 29 |
| 32 | 701 | 6475 | 9.46 | 617 | 9525 | | 231 | 6949 | 9.93 | 3051 | 4.4983 | 28 |
| 33 | 729 | 7043 | 9.45 | 611 | 9497 | | 261 | 7545 | 9.92 | 2455 | 922 | 27 |
| 34 | 758 | 7610 | 9.44 | 604 | 9469 | | 292 | 8141 | 9.91 | 1859 | 860 | 26 |
| 35 | 786 | 8176 | 9.43 | 598 | 9441 | | 322 | 8735 | 9.90 | 1265 | 799 | 25 |
| 36 | 814 | 8742 | 9.41 | 592 | 9413 | | 353 | 9329 | 9.88 | 0671 | 737 | 24 |
| 37 | 843 | 9307 | 9.40 | 585 | 9385 | | 383 | 9922 | 9.87 | 0078 | 676 | 23 |
| 38 | 871 | 9871 | 9.39 | 579 | 9356 | | 414 | 9.350514 | 9.86 | 0.649486 | 615 | 22 |
| 39 | 899 | 9.340434 | 9.37 | 573 | 9328 | | 444 | 1106 | 9.85 | 8894 | 555 | 21 |
| 40 | 21928 | 9.340996 | 9.36 | 97566 | 9.989300 | .47 | 22475 | 9.351697 | 9.83 | 0.648303 | 4.4494 | 20 |
| 41 | 956 | 1558 | 9.35 | 560 | 9271 | | 505 | 2287 | 9.82 | 7713 | 434 | 19 |
| 42 | 985 | 2119 | 9.34 | 553 | 9243 | | 536 | 2876 | 9.81 | 7124 | 373 | 18 |
| 43 | 22013 | 2679 | 9.32 | 547 | 9214 | | 567 | 3465 | 9.80 | 6535 | 313 | 17 |
| 44 | 041 | 3239 | 9.31 | 541 | 9186 | | 597 | 4053 | 9.79 | 5947 | 253 | 16 |
| 45 | 070 | 3797 | 9.30 | 534 | 9157 | .48 | 628 | 4640 | 9.77 | 5360 | 194 | 15 |
| 46 | 098 | 4355 | 9.29 | 528 | 9128 | | 658 | 5227 | 9.76 | 4773 | 134 | 14 |
| 47 | 126 | 4912 | 9.27 | 521 | 9100 | | 689 | 5813 | 9.75 | 4187 | 075 | 13 |
| 48 | 155 | 5469 | 9.26 | 515 | 9071 | | 719 | 6398 | 9.74 | 3602 | 015 | 12 |
| 49 | 183 | 6024 | 9.25 | 508 | 9042 | | 750 | 6982 | 9.73 | 3018 | 4.3956 | 11 |
| 50 | 22212 | 9.346579 | 9.24 | 97502 | 9.989014 | .48 | 22781 | 9.357566 | 9.71 | 0.642434 | 4.3897 | 10 |
| 51 | 240 | 7134 | 9.22 | 496 | 8985 | | 811 | 8149 | 9.70 | 1851 | 838 | 9 |
| 52 | 268 | 7687 | 9.21 | 489 | 8956 | | 842 | 8731 | 9.69 | 1269 | 779 | 8 |
| 53 | 297 | 8240 | 9.20 | 483 | 8927 | | 872 | 9313 | 9.68 | 0687 | 721 | 7 |
| 54 | 325 | 8792 | 9.19 | 476 | 8898 | | 903 | 9893 | 9.67 | 0107 | 662 | 6 |
| 55 | 353 | 9343 | 9.17 | 470 | 8869 | | 934 | 9.360474 | 9.66 | 0.639526 | 604 | 5 |
| 56 | 382 | 9893 | 9.16 | 463 | 8840 | | 964 | 1053 | 9.65 | 8947 | 546 | 4 |
| 57 | 410 | 9.350443 | 9.15 | 457 | 8811 | | 995 | 1632 | 9.63 | 8368 | 488 | 3 |
| 58 | 438 | 0992 | 9.14 | 450 | 8782 | | 23026 | 2210 | 9.62 | 7790 | 430 | 2 |
| 59 | 467 | 1540 | 9.13 | 444 | 8753 | .49 | 056 | 2787 | 9.61 | 7213 | 372 | 1 |
| 60 | 22495 | 9.352088 | | 97437 | 9.988724 | | 23087 | 9.363364 | | 0.636636 | 4.3315 | 0 |
| 102° | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Log. | Nat. | 77° |
| | Cosines. | | | Sines. | | | Cotangents. | | | Tangents. | | |

| 13° | Sines. | | | Cosines. | | | Tangents. | | | Cotangents. | | 166° |
|------|----------|----------|------|----------|----------|------|-------------|----------|------|-------------|--------|------|
| | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Log. | Nat. | |
| 0' | 22495 | 9.352088 | 9.11 | 97437 | 9.988724 | .49 | 23087 | 9.363364 | 9.60 | 0.636636 | 4.3315 | 60' |
| 1 | 523 | 2635 | 9.10 | 430 | 8695 | | 117 | 3940 | 9.59 | 6060 | 257 | 59 |
| 2 | 552 | 3181 | 9.09 | 424 | 8666 | | 148 | 4515 | 9.58 | 5485 | 200 | 58 |
| 3 | 580 | 3726 | 9.08 | 417 | 8636 | | 179 | 5090 | 9.57 | 4910 | 143 | 57 |
| 4 | 608 | 4271 | 9.07 | 411 | 8607 | | 209 | 5664 | 9.55 | 4336 | 086 | 56 |
| 5 | 637 | 4815 | 9.05 | 404 | 8578 | | 240 | 6237 | 9.54 | 3763 | 029 | 55 |
| 6 | 665 | 5358 | 9.04 | 398 | 8548 | | 271 | 6810 | 9.53 | 3190 | 4.2972 | 54 |
| 7 | 693 | 5901 | 9.03 | 391 | 8519 | | 301 | 7382 | 9.52 | 2618 | 916 | 53 |
| 8 | 722 | 6443 | 9.02 | 384 | 8489 | | 332 | 7953 | 9.51 | 2047 | 860 | 52 |
| 9 | 750 | 6984 | 9.01 | 378 | 8460 | | 363 | 8524 | 9.50 | 1476 | 803 | 51 |
| 10 | 22778 | 9.357524 | 8.99 | 97371 | 9.988430 | .49 | 23393 | 9.369094 | 9.49 | 0.630906 | 4.2747 | 50 |
| 11 | 807 | 8064 | 8.98 | 365 | 8401 | | 424 | 9663 | 9.48 | 0337 | 691 | 49 |
| 12 | 835 | 8603 | 8.97 | 358 | 8371 | | 455 | 9.370232 | 9.46 | 0.629768 | 635 | 48 |
| 13 | 863 | 9141 | 8.96 | 351 | 8342 | | 485 | 0799 | 9.45 | 9201 | 580 | 47 |
| 14 | 892 | 9678 | 8.95 | 345 | 8312 | .50 | 516 | 1367 | 9.44 | 8633 | 524 | 46 |
| 15 | 920 | 9.360215 | 8.93 | 338 | 8282 | | 547 | 1933 | 9.43 | 8067 | 468 | 45 |
| 16 | 948 | 0752 | 8.92 | 331 | 8252 | | 578 | 2499 | 9.42 | 7501 | 413 | 44 |
| 17 | 977 | 1287 | 8.91 | 325 | 8223 | | 608 | 3064 | 9.41 | 6936 | 358 | 43 |
| 18 | 23005 | 1822 | 8.90 | 318 | 8193 | | 639 | 3629 | 9.40 | 6371 | 303 | 42 |
| 19 | 033 | 2350 | 8.89 | 311 | 8163 | | 670 | 4193 | 9.39 | 5807 | 248 | 41 |
| 20 | 23062 | 9.362889 | 8.88 | 97304 | 9.988133 | .50 | 23700 | 9.374756 | 9.38 | 0.625244 | 4.2193 | 40 |
| 21 | 090 | 3422 | 8.87 | 298 | 8103 | | 731 | 5319 | 9.37 | 4681 | 139 | 39 |
| 22 | 118 | 3954 | 8.85 | 291 | 8073 | | 762 | 5881 | 9.35 | 4119 | 084 | 38 |
| 23 | 146 | 4485 | 8.84 | 284 | 8043 | | 793 | 6442 | 9.34 | 3558 | 030 | 37 |
| 24 | 175 | 5016 | 8.83 | 278 | 8013 | | 823 | 7003 | 9.33 | 2997 | 4.1976 | 36 |
| 25 | 203 | 5546 | 8.82 | 271 | 7983 | | 854 | 7563 | 9.32 | 2437 | 922 | 35 |
| 26 | 231 | 6075 | 8.81 | 264 | 7953 | | 885 | 8122 | 9.31 | 1878 | 868 | 34 |
| 27 | 260 | 6604 | 8.80 | 257 | 7922 | | 916 | 8681 | 9.30 | 1319 | 814 | 33 |
| 28 | 288 | 7131 | 8.79 | 251 | 7892 | | 946 | 9239 | 9.29 | 0761 | 760 | 32 |
| 29 | 316 | 7659 | 8.77 | 244 | 7862 | | 977 | 9797 | 9.28 | 0203 | 706 | 31 |
| 30 | 23345 | 9.368185 | 8.76 | 97237 | 9.987832 | .51 | 24008 | 9.380354 | 9.27 | 0.619646 | 4.1653 | 30 |
| 31 | 373 | 8711 | 8.75 | 230 | 7801 | | 039 | 0910 | 9.26 | 9090 | 600 | 29 |
| 32 | 401 | 9236 | 8.74 | 223 | 7771 | | 069 | 1466 | 9.25 | 8534 | 547 | 28 |
| 33 | 429 | 9761 | 8.73 | 217 | 7740 | | 100 | 2020 | 9.24 | 7980 | 493 | 27 |
| 34 | 458 | 9.370285 | 8.72 | 210 | 7710 | | 131 | 2575 | 9.23 | 7425 | 441 | 26 |
| 35 | 486 | 0808 | 8.71 | 203 | 7679 | | 162 | 3129 | 9.22 | 6871 | 388 | 25 |
| 36 | 514 | 1330 | 8.70 | 196 | 7649 | | 193 | 3682 | 9.21 | 6318 | 335 | 24 |
| 37 | 542 | 1852 | 8.69 | 189 | 7618 | | 223 | 4234 | 9.20 | 5766 | 282 | 23 |
| 38 | 571 | 2373 | 8.67 | 182 | 7588 | | 254 | 4786 | 9.19 | 5214 | 230 | 22 |
| 39 | 599 | 2894 | 8.66 | 176 | 7557 | | 285 | 5337 | 9.18 | 4663 | 178 | 21 |
| 40 | 23627 | 9.373414 | 8.65 | 97169 | 9.987526 | .51 | 24316 | 9.385888 | 9.17 | 0.614112 | 4.1126 | 20 |
| 41 | 656 | 3933 | 8.64 | 162 | 7496 | | 347 | 6438 | 9.15 | 3562 | 074 | 19 |
| 42 | 684 | 4452 | 8.63 | 155 | 7465 | | 377 | 6987 | 9.14 | 3013 | 022 | 18 |
| 43 | 712 | 4970 | 8.62 | 148 | 7434 | | 408 | 7536 | 9.13 | 2464 | 4.0970 | 17 |
| 44 | 740 | 5487 | 8.61 | 141 | 7403 | .52 | 439 | 8084 | 9.12 | 1916 | 918 | 16 |
| 45 | 769 | 6003 | 8.60 | 134 | 7372 | | 470 | 8631 | 9.11 | 1369 | 867 | 15 |
| 46 | 797 | 6519 | 8.59 | 127 | 7341 | | 501 | 9178 | 9.10 | 0822 | 815 | 14 |
| 47 | 825 | 7035 | 8.58 | 120 | 7310 | | 532 | 9724 | 9.09 | 0276 | 764 | 13 |
| 48 | 853 | 7549 | 8.57 | 113 | 7279 | | 562 | 9.390270 | 9.08 | 0.609730 | 713 | 12 |
| 49 | 882 | 8063 | 8.56 | 106 | 7248 | | 593 | 0815 | 9.07 | 9185 | 662 | 11 |
| 50 | 23910 | 9.378577 | 8.54 | 97100 | 9.987217 | .52 | 24624 | 9.391360 | 9.06 | 0.608640 | 4.0611 | 10 |
| 51 | 938 | 9089 | 8.53 | 093 | 7186 | | 655 | 1903 | 9.05 | 8097 | 560 | 9 |
| 52 | 966 | 9601 | 8.52 | 086 | 7155 | | 686 | 2447 | 9.04 | 7553 | 509 | 8 |
| 53 | 995 | 9.380113 | 8.51 | 079 | 7124 | | 717 | 2989 | 9.03 | 7011 | 459 | 7 |
| 54 | 24023 | 0624 | 8.50 | 072 | 7092 | | 747 | 3531 | 9.02 | 6469 | 408 | 6 |
| 55 | 051 | 1134 | 8.49 | 065 | 7061 | | 778 | 4073 | 9.01 | 5927 | 358 | 5 |
| 56 | 079 | 1643 | 8.48 | 058 | 7030 | | 809 | 4614 | 9.00 | 5386 | 308 | 4 |
| 57 | 108 | 2152 | 8.47 | 051 | 6998 | | 840 | 5154 | 8.99 | 4846 | 257 | 3 |
| 58 | 136 | 2661 | 8.46 | 044 | 6967 | | 871 | 5694 | 8.98 | 4306 | 207 | 2 |
| 59 | 164 | 3168 | 8.45 | 037 | 6936 | | 902 | 6233 | 8.97 | 3767 | 158 | 1 |
| 60 | 24192 | 9.383675 | | 97030 | 9.986904 | | 24933 | 9.396771 | | 0.603229 | 4.0108 | 0 |
| 103° | Cosines. | | | Sines. | | | Cotangents. | | | Tangents. | | 76° |
| | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Log. | Nat. | |

| 14° | Sines. | | | Cosines. | | | Tangents. | | | Cotangents. | | 165° |
|------|----------|----------|------|----------|----------|------|-------------|----------|------|-------------|--------|------|
| | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Log. | Nat. | |
| 0' | 24192 | 9.383675 | 8.44 | 97030 | 9.986904 | .52 | 24933 | 9.390771 | 8.96 | 0.603229 | 4.0108 | 60' |
| 1 | 220 | 4182 | 8.43 | 023 | 6873 | .53 | 964 | 7309 | | 2691 | 058 | 59 |
| 2 | 249 | 4687 | 8.42 | 015 | 6841 | | 995 | 7846 | 8.95 | 2154 | 009 | 58 |
| 3 | 277 | 5192 | 8.41 | 008 | 6809 | | 25026 | 8383 | 8.94 | 1617 | 3.9959 | 57 |
| 4 | 305 | 5697 | 8.40 | 001 | 6778 | | 056 | 8919 | 8.93 | 1081 | 910 | 56 |
| 5 | 333 | 6201 | 8.39 | 96994 | 6746 | | 087 | 9455 | 8.92 | 0545 | 861 | 55 |
| 6 | 362 | 6704 | 8.38 | 987 | 6714 | | 118 | 9990 | 8.91 | 0010 | 812 | 54 |
| 7 | 390 | 7207 | 8.37 | 980 | 6683 | | 149 | 9.400524 | 8.90 | 0.599476 | 763 | 53 |
| 8 | 418 | 7709 | 8.36 | 973 | 6651 | | 180 | 1058 | 8.89 | 8942 | 714 | 52 |
| 9 | 446 | 8210 | 8.35 | 966 | 6619 | | 211 | 1591 | 8.88 | 8409 | 665 | 51 |
| 10 | 24474 | 9.388711 | 8.34 | 96959 | 9.986587 | .53 | 25242 | 9.402124 | 8.87 | 0.597876 | 3.9617 | 50 |
| 11 | 503 | 9211 | 8.33 | 952 | 6555 | | 273 | 2656 | 8.86 | 7344 | 568 | 49 |
| 12 | 531 | 9711 | 8.32 | 945 | 6523 | | 304 | 3187 | 8.85 | 6813 | 520 | 48 |
| 13 | 559 | 9.390210 | 8.31 | 937 | 6491 | | 335 | 3718 | 8.84 | 6282 | 471 | 47 |
| 14 | 587 | 0708 | 8.30 | 930 | 6459 | | 366 | 4249 | 8.83 | 5751 | 423 | 46 |
| 15 | 615 | 1206 | 8.28 | 923 | 6427 | | 397 | 4778 | 8.82 | 5222 | 375 | 45 |
| 16 | 644 | 1703 | 8.27 | 916 | 6395 | | 428 | 5308 | 8.81 | 4692 | 327 | 44 |
| 17 | 672 | 2199 | 8.26 | 909 | 6363 | .54 | 459 | 5836 | 8.80 | 4164 | 279 | 43 |
| 18 | 700 | 2695 | 8.25 | 902 | 6331 | | 490 | 6364 | 8.79 | 3636 | 232 | 42 |
| 19 | 728 | 3191 | 8.24 | 894 | 6299 | | 521 | 6892 | 8.78 | 3108 | 184 | 41 |
| 20 | 24756 | 9.393685 | 8.23 | 96887 | 9.986266 | .54 | 25552 | 9.407419 | 8.77 | 0.592581 | 3.9136 | 40 |
| 21 | 784 | 4179 | 8.22 | 880 | 6234 | | 583 | 7945 | 8.76 | 2055 | 089 | 39 |
| 22 | 813 | 4673 | 8.21 | 873 | 6202 | | 614 | 8471 | 8.75 | 1529 | 042 | 38 |
| 23 | 841 | 5166 | 8.20 | 866 | 6169 | | 645 | 8996 | 8.74 | 1004 | 3.8995 | 37 |
| 24 | 869 | 5658 | 8.19 | 858 | 6137 | | 676 | 9521 | | 0479 | 947 | 36 |
| 25 | 897 | 6150 | 8.18 | 851 | 6104 | | 707 | 9.410045 | 8.73 | 0.589955 | 900 | 35 |
| 26 | 925 | 6641 | 8.17 | 844 | 6072 | | 738 | 0569 | 8.72 | 9431 | 854 | 34 |
| 27 | 954 | 7132 | | 837 | 6039 | | 769 | 1092 | 8.71 | 8908 | 807 | 33 |
| 28 | 982 | 7621 | 8.16 | 829 | 6007 | | 800 | 1615 | 8.70 | 8385 | 760 | 32 |
| 29 | 25010 | 8111 | 8.15 | 822 | 5974 | | 831 | 2137 | 8.69 | 7863 | 714 | 31 |
| 30 | 25038 | 9.398600 | 8.14 | 96815 | 9.985942 | .54 | 25862 | 9.412658 | 8.68 | 0.587342 | 3.8667 | 30 |
| 31 | 066 | 9088 | 8.13 | 807 | 5909 | .55 | 893 | 3179 | 8.67 | 6821 | 621 | 29 |
| 32 | 094 | 9575 | 8.12 | 800 | 5876 | | 924 | 3699 | 8.66 | 6301 | 575 | 28 |
| 33 | 122 | 9.400062 | 8.11 | 793 | 5843 | | 955 | 4219 | 8.65 | 5781 | 528 | 27 |
| 34 | 151 | 0549 | 8.10 | 786 | 5811 | | 986 | 4738 | 8.64 | 5262 | 482 | 26 |
| 35 | 179 | 1035 | 8.09 | 778 | 5778 | | 26017 | 5257 | | 4743 | 436 | 25 |
| 36 | 207 | 1520 | 8.08 | 771 | 5745 | | 048 | 5775 | 8.63 | 4225 | 391 | 24 |
| 37 | 235 | 2005 | 8.07 | 764 | 5712 | | 079 | 6293 | 8.62 | 3707 | 345 | 23 |
| 38 | 263 | 2489 | 8.06 | 756 | 5679 | | 110 | 6810 | 8.61 | 3190 | 299 | 22 |
| 39 | 291 | 2972 | 8.05 | 749 | 5646 | | 141 | 7326 | 8.60 | 2674 | 254 | 21 |
| 40 | 25320 | 9.403455 | 8.04 | 96742 | 9.985613 | .55 | 26172 | 9.417842 | 8.59 | 0.582158 | 3.8208 | 20 |
| 41 | 348 | 3938 | 8.03 | 734 | 5580 | | 203 | 8358 | 8.58 | 1642 | 163 | 19 |
| 42 | 376 | 4420 | 8.02 | 727 | 5547 | | 235 | 8873 | 8.57 | 1127 | 118 | 18 |
| 43 | 404 | 4901 | 8.01 | 719 | 5514 | | 266 | 9387 | 8.56 | 0613 | 073 | 17 |
| 44 | 432 | 5382 | 8.00 | 712 | 5480 | | 297 | 9901 | 8.55 | 0099 | 028 | 16 |
| 45 | 460 | 5862 | 7.99 | 705 | 5447 | | 328 | 9.420415 | | 0.579585 | 3.7983 | 15 |
| 46 | 488 | 6341 | 7.98 | 697 | 5414 | | 359 | 0927 | 8.54 | 9073 | 938 | 14 |
| 47 | 516 | 6820 | 7.97 | 690 | 5381 | .56 | 390 | 1440 | 8.53 | 8560 | 893 | 13 |
| 48 | 545 | 7299 | 7.96 | 682 | 5347 | | 421 | 1952 | 8.52 | 8048 | 848 | 12 |
| 49 | 573 | 7777 | 7.95 | 675 | 5314 | | 452 | 2463 | 8.51 | 7537 | 804 | 11 |
| 50 | 25601 | 9.408254 | 7.94 | 96667 | 9.985280 | .56 | 26483 | 9.422974 | 8.50 | 0.577026 | 3.7760 | 10 |
| 51 | 629 | 8731 | | 660 | 5247 | | 515 | 3484 | 8.49 | 6516 | 715 | 9 |
| 52 | 657 | 9207 | 7.93 | 653 | 5213 | | 546 | 3993 | 8.48 | 6007 | 671 | 8 |
| 53 | 685 | 9682 | 7.92 | 645 | 5180 | | 577 | 4503 | | 5497 | 627 | 7 |
| 54 | 713 | 9.410157 | 7.91 | 638 | 5146 | | 608 | 5011 | 8.47 | 4989 | 583 | 6 |
| 55 | 741 | 0632 | 7.90 | 630 | 5113 | | 639 | 5519 | 8.46 | 4481 | 539 | 5 |
| 56 | 769 | 1106 | 7.89 | 623 | 5079 | | 670 | 6027 | 8.45 | 3973 | 495 | 4 |
| 57 | 798 | 1579 | 7.88 | 615 | 5045 | | 701 | 6534 | 8.44 | 3466 | 451 | 3 |
| 58 | 826 | 2052 | 7.87 | 608 | 5011 | | 733 | 7041 | 8.43 | 2959 | 408 | 2 |
| 59 | 854 | 2524 | 7.86 | 600 | 4978 | | 764 | 7547 | | 2453 | 364 | 1 |
| 60 | 25882 | 9.412996 | | 96593 | 9.984944 | | 26795 | 9.428052 | | 0.571948 | 3.7321 | 0 |
| 104° | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Log. | Nat. | 75° |
| | Cosines. | | | Sines. | | | Cotangents. | | | Tangents. | | |

| 15° | Sines. | | | Cosines. | | | Tangents. | | | Cotangents. | | 164° |
|------|----------|----------|------|----------|----------|------|-------------|----------|------|-------------|--------|------|
| | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Log. | Nat. | |
| 0' | 25882 | 9.412996 | 7.85 | 96593 | 9.984944 | .57 | 26795 | 9.428052 | 8.42 | 0.571948 | 3.7321 | 60' |
| 1 | 910 | 3467 | 7.84 | 585 | 4910 | | 826 | 8558 | 8.41 | 1442 | 277 | 59 |
| 2 | 938 | 3938 | 7.83 | 578 | 4876 | | 857 | 9062 | 8.40 | 0938 | 234 | 58 |
| 3 | 966 | 4408 | | 570 | 4842 | | 888 | 9566 | 8.39 | 0434 | 191 | 57 |
| 4 | 994 | 4878 | 7.82 | 562 | 4808 | | 920 | 9.430070 | 8.38 | 0.569930 | 148 | 56 |
| 5 | 26022 | 5347 | 7.81 | 555 | 4774 | | 951 | 0573 | | 9427 | 105 | 55 |
| 6 | 050 | 5815 | 7.80 | 547 | 4740 | | 982 | 1075 | 8.37 | 8925 | 062 | 54 |
| 7 | 079 | 6283 | 7.79 | 540 | 4706 | | 27013 | 1577 | 8.36 | 8423 | 019 | 53 |
| 8 | 107 | 6751 | 7.78 | 532 | 4672 | | 044 | 2079 | 8.35 | 7921 | 3.6976 | 52 |
| 9 | 135 | 7217 | 7.77 | 524 | 4638 | | 076 | 2580 | 8.34 | 7420 | 933 | 51 |
| 10 | 26163 | 9.417684 | 7.76 | 96517 | 9.984003 | .57 | 27107 | 9.433080 | 8.33 | 0.566920 | 3.6891 | 50 |
| 11 | 191 | 8150 | 7.75 | 509 | 4569 | | 138 | 3580 | 8.32 | 6420 | 848 | 49 |
| 12 | 219 | 8615 | 7.74 | 502 | 4535 | | 169 | 4080 | | 5920 | 806 | 48 |
| 13 | 247 | 9079 | 7.73 | 494 | 4500 | | 201 | 4579 | 8.31 | 5421 | 764 | 47 |
| 14 | 275 | 9544 | | 486 | 4466 | | 232 | 5078 | 8.30 | 4922 | 722 | 46 |
| 15 | 303 | 9.420007 | 7.72 | 479 | 4432 | .58 | 263 | 5576 | 8.29 | 4424 | 680 | 45 |
| 16 | 331 | 0470 | 7.71 | 471 | 4397 | | 294 | 6073 | 8.28 | 3927 | 638 | 44 |
| 17 | 359 | 0933 | 7.70 | 463 | 4363 | | 326 | 6570 | | 3430 | 596 | 43 |
| 18 | 387 | 1395 | 7.69 | 456 | 4328 | | 357 | 7067 | 8.27 | 2933 | 554 | 42 |
| 19 | 415 | 1857 | 7.68 | 448 | 4294 | | 388 | 7563 | 8.26 | 2437 | 512 | 41 |
| 20 | 26443 | 9.422318 | 7.67 | 96440 | 9.984259 | .58 | 27419 | 9.438059 | 8.25 | 0.561941 | 3.6470 | 40 |
| 21 | 471 | 2778 | | 433 | 4224 | | 451 | 8554 | 8.24 | 1446 | 429 | 39 |
| 22 | 500 | 3238 | 7.66 | 425 | 4190 | | 482 | 9048 | 8.23 | 0952 | 387 | 38 |
| 23 | 528 | 3697 | 7.65 | 417 | 4155 | | 513 | 9543 | | 0457 | 346 | 37 |
| 24 | 556 | 4156 | 7.64 | 410 | 4120 | | 545 | 9.440036 | 8.22 | 0.559964 | 305 | 36 |
| 25 | 584 | 4615 | 7.63 | 402 | 4085 | | 576 | 0529 | 8.21 | 9471 | 264 | 35 |
| 26 | 612 | 5073 | 7.62 | 394 | 4050 | | 607 | 1022 | 8.20 | 8978 | 222 | 34 |
| 27 | 640 | 5530 | 7.61 | 386 | 4015 | | 638 | 1514 | 8.19 | 8486 | 181 | 33 |
| 28 | 668 | 5987 | 7.60 | 379 | 3981 | | 670 | 2006 | | 7994 | 140 | 32 |
| 29 | 696 | 6443 | | 371 | 3946 | | 701 | 2497 | 8.18 | 7503 | 100 | 31 |
| 30 | 26724 | 9.426899 | 7.59 | 96363 | 9.983911 | .58 | 27732 | 9.442988 | 8.17 | 0.557012 | 3.6059 | 30 |
| 31 | 752 | 7354 | 7.58 | 355 | 3875 | | 764 | 3479 | 8.16 | 6521 | 018 | 29 |
| 32 | 780 | 7809 | 7.57 | 347 | 3840 | .59 | 795 | 3968 | | 6032 | 3.5978 | 28 |
| 33 | 808 | 8263 | 7.56 | 340 | 3805 | | 826 | 4458 | 8.15 | 5542 | 937 | 27 |
| 34 | 836 | 8717 | 7.55 | 332 | 3770 | | 858 | 4947 | 8.14 | 5053 | 897 | 26 |
| 35 | 864 | 9170 | 7.54 | 324 | 3735 | | 889 | 5435 | 8.13 | 4565 | 856 | 25 |
| 36 | 892 | 9623 | 7.53 | 316 | 3700 | | 921 | 5923 | 8.12 | 4077 | 816 | 24 |
| 37 | 920 | 9.430075 | | 308 | 3664 | | 952 | 6411 | | 3589 | 776 | 23 |
| 38 | 948 | 0527 | 7.52 | 301 | 3629 | | 983 | 6898 | 8.11 | 3102 | 736 | 22 |
| 39 | 976 | 0978 | 7.51 | 293 | 3594 | | 28015 | 7384 | 8.10 | 2616 | 696 | 21 |
| 40 | 27004 | 9.431429 | 7.50 | 96285 | 9.983558 | .59 | 28046 | 9.447870 | 8.09 | 0.552130 | 3.5656 | 20 |
| 41 | 032 | 1879 | 7.49 | 277 | 3523 | | 077 | 8356 | | 1644 | 616 | 19 |
| 42 | 060 | 2329 | | 269 | 3487 | | 109 | 8841 | 8.08 | 1159 | 576 | 18 |
| 43 | 088 | 2778 | 7.48 | 261 | 3452 | | 140 | 9326 | 8.07 | 0674 | 536 | 17 |
| 44 | 116 | 3226 | 7.47 | 253 | 3416 | | 172 | 9810 | 8.06 | 0190 | 497 | 16 |
| 45 | 144 | 3675 | 7.46 | 246 | 3381 | | 203 | 9.450294 | | 0.549706 | 457 | 15 |
| 46 | 172 | 4122 | 7.45 | 238 | 3345 | | 234 | 0777 | 8.05 | 9223 | 418 | 14 |
| 47 | 200 | 4569 | 7.44 | 230 | 3309 | | 266 | 1260 | 8.04 | 8740 | 379 | 13 |
| 48 | 228 | 5016 | | 222 | 3273 | .60 | 297 | 1743 | 8.03 | 8257 | 339 | 12 |
| 49 | 256 | 5462 | 7.43 | 214 | 3238 | | 329 | 2225 | 8.02 | 7775 | 300 | 11 |
| 50 | 27284 | 9.435908 | 7.42 | 96206 | 9.983202 | .60 | 28360 | 9.452706 | 8.02 | 0.547294 | 3.5261 | 10 |
| 51 | 312 | 6353 | 7.41 | 198 | 3166 | | 391 | 3187 | 8.01 | 6813 | 222 | 9 |
| 52 | 340 | 6798 | 7.40 | 190 | 3130 | | 423 | 3668 | 8.00 | 6332 | 183 | 8 |
| 53 | 368 | 7242 | | 182 | 3094 | | 454 | 4148 | 7.99 | 5852 | 144 | 7 |
| 54 | 396 | 7686 | 7.39 | 174 | 3058 | | 486 | 4628 | | 5372 | 105 | 6 |
| 55 | 424 | 8129 | 7.38 | 166 | 3022 | | 517 | 5107 | 7.98 | 4893 | 067 | 5 |
| 56 | 452 | 8572 | 7.37 | 158 | 2986 | | 549 | 5586 | 7.97 | 4414 | 028 | 4 |
| 57 | 480 | 9014 | 7.36 | 150 | 2950 | | 580 | 6064 | 7.96 | 3936 | 3.4989 | 3 |
| 58 | 508 | 9456 | 7.35 | 142 | 2914 | | 612 | 6542 | | 3458 | 951 | 2 |
| 59 | 536 | 9897 | | 134 | 2878 | | 643 | 7019 | 7.95 | 2981 | 912 | 1 |
| 60 | 27564 | 9.440338 | | 96126 | 9.982842 | | 28675 | 9.457496 | | 0.542504 | 3.4874 | 0 |
| 105° | Cosines. | | | Sines. | | | Cotangents. | | | Tangents. | | 74° |
| | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Log. | Nat. | |

| 16° | Sines. | | | Cosines. | | | Tangents. | | | Cotangents. | | 163° |
|------|----------|----------|------|----------|----------|------|-------------|----------|------|-------------|--------|------|
| | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Log. | Nat. | |
| 0' | 27564 | 9.440338 | 7.34 | 96126 | 9.982842 | .60 | 28675 | 0.457496 | 7.94 | 0.542504 | 3.4874 | 60' |
| 1 | 592 | 0778 | 7.33 | 118 | 2805 | | 706 | 7973 | 7.93 | 2027 | 836 | 59 |
| 2 | 620 | 1218 | 7.32 | 110 | 2769 | | 738 | 8449 | | 1551 | 798 | 58 |
| 3 | 648 | 1658 | 7.31 | 102 | 2733 | .61 | 769 | 8925 | 7.92 | 1075 | 760 | 57 |
| 4 | 676 | 2096 | | 094 | 2696 | | 801 | 9400 | 7.91 | 0600 | 722 | 56 |
| 5 | 704 | 2535 | 7.30 | 086 | 2660 | | 832 | 9875 | 7.90 | 0125 | 684 | 55 |
| 6 | 731 | 2973 | 7.29 | 078 | 2624 | | 864 | 9400349 | | 0.539651 | 646 | 54 |
| 7 | 759 | 3410 | 7.28 | 070 | 2587 | | 895 | 0823 | 7.89 | 9177 | 608 | 53 |
| 8 | 787 | 3847 | 7.27 | 062 | 2551 | | 927 | 1297 | 7.88 | 8703 | 570 | 52 |
| 9 | 815 | 4284 | | 054 | 2514 | | 958 | 1770 | | 8230 | 533 | 51 |
| 10 | 27843 | 9.444720 | 7.26 | 96046 | 9.982477 | .61 | 28990 | 9.462242 | 7.87 | 0.537758 | 3.4495 | 50 |
| 11 | 871 | 5155 | 7.25 | 037 | 2441 | | 29021 | 2715 | 7.86 | 7285 | 458 | 49 |
| 12 | 899 | 5590 | 7.24 | 029 | 2404 | | 053 | 3186 | 7.85 | 6814 | 420 | 48 |
| 13 | 927 | 6025 | 7.23 | 021 | 2367 | | 084 | 3658 | | 6342 | 383 | 47 |
| 14 | 955 | 6459 | | 013 | 2331 | | 116 | 4128 | 7.84 | 5872 | 346 | 46 |
| 15 | 983 | 6893 | 7.22 | 005 | 2294 | | 147 | 4599 | 7.83 | 5401 | 308 | 45 |
| 16 | 28011 | 7326 | 7.21 | 95997 | 2257 | | 179 | 5069 | | 4931 | 271 | 44 |
| 17 | 039 | 7759 | 7.20 | 989 | 2220 | .62 | 210 | 5539 | 7.82 | 4461 | 234 | 43 |
| 18 | 067 | 8191 | | 981 | 2183 | | 242 | 6008 | 7.81 | 3992 | 197 | 42 |
| 19 | 095 | 8623 | 7.19 | 972 | 2146 | | 274 | 6477 | 7.80 | 3523 | 160 | 41 |
| 20 | 28123 | 9.449054 | 7.18 | 95964 | 9.982109 | .62 | 29305 | 9.466945 | 7.80 | 0.533055 | 3.4124 | 40 |
| 21 | 150 | 9485 | 7.17 | 956 | 2072 | | 337 | 7413 | 7.79 | 2587 | 087 | 39 |
| 22 | 178 | 9915 | 7.16 | 948 | 2035 | | 368 | 7880 | 7.78 | 2120 | 050 | 38 |
| 23 | 206 | 9450345 | | 940 | 1998 | | 400 | 8347 | | 1653 | 014 | 37 |
| 24 | 234 | 0775 | 7.15 | 931 | 1961 | | 432 | 8814 | 7.77 | 1186 | 3.3977 | 36 |
| 25 | 262 | 1204 | 7.14 | 923 | 1924 | | 463 | 9280 | 7.76 | 0720 | 941 | 35 |
| 26 | 290 | 1632 | 7.13 | 915 | 1886 | | 495 | 9746 | 7.75 | 0254 | 904 | 34 |
| 27 | 318 | 2060 | | 907 | 1849 | | 526 | 9470211 | | 0.529789 | 868 | 33 |
| 28 | 346 | 2488 | 7.12 | 898 | 1812 | | 558 | 0676 | 7.74 | 9324 | 832 | 32 |
| 29 | 374 | 2915 | 7.11 | 890 | 1774 | | 590 | 1141 | 7.73 | 8859 | 796 | 31 |
| 30 | 28402 | 9.453342 | 7.10 | 95882 | 9.981737 | .62 | 29621 | 9.471605 | 7.73 | 0.528395 | 3.3759 | 30 |
| 31 | 429 | 3768 | | 874 | 1700 | .63 | 653 | 2069 | 7.72 | 7931 | 723 | 29 |
| 32 | 457 | 4194 | 7.09 | 865 | 1662 | | 685 | 2532 | 7.71 | 7468 | 687 | 28 |
| 33 | 485 | 4619 | 7.08 | 857 | 1625 | | 716 | 2995 | | 7005 | 652 | 27 |
| 34 | 513 | 5044 | 7.07 | 849 | 1587 | | 748 | 3457 | 7.70 | 6543 | 616 | 26 |
| 35 | 541 | 5469 | | 841 | 1549 | | 780 | 3919 | 7.69 | 6081 | 580 | 25 |
| 36 | 569 | 5893 | 7.06 | 832 | 1512 | | 811 | 4381 | | 5619 | 544 | 24 |
| 37 | 597 | 6316 | 7.05 | 824 | 1474 | | 843 | 4842 | 7.68 | 5158 | 509 | 23 |
| 38 | 625 | 6739 | 7.04 | 816 | 1436 | | 875 | 5303 | 7.67 | 4697 | 473 | 22 |
| 39 | 652 | 7162 | | 807 | 1399 | | 906 | 5763 | | 4237 | 438 | 21 |
| 40 | 28680 | 9.457584 | 7.03 | 95799 | 9.981361 | .63 | 29938 | 9.476223 | 7.66 | 0.523777 | 3.3402 | 20 |
| 41 | 708 | 8006 | 7.02 | 791 | 1323 | | 970 | 6683 | 7.65 | 3317 | 367 | 19 |
| 42 | 736 | 8427 | 7.01 | 782 | 1285 | | 30001 | 7142 | | 2858 | 332 | 18 |
| 43 | 764 | 8848 | | 774 | 1247 | | 033 | 7601 | 7.64 | 2399 | 297 | 17 |
| 44 | 792 | 9268 | 7.00 | 766 | 1209 | | 065 | 8059 | 7.63 | 1941 | 261 | 16 |
| 45 | 820 | 9688 | 6.99 | 757 | 1171 | | 097 | 8517 | | 1483 | 226 | 15 |
| 46 | 847 | 9460108 | 6.98 | 749 | 1133 | | 128 | 8975 | 7.62 | 1025 | 191 | 14 |
| 47 | 875 | 0527 | | 740 | 1095 | | 160 | 9432 | 7.61 | 0568 | 156 | 13 |
| 48 | 903 | 0946 | 6.97 | 732 | 1057 | .64 | 192 | 9889 | | 0111 | 122 | 12 |
| 49 | 931 | 1364 | 6.96 | 724 | 1019 | | 224 | 9480345 | 7.60 | 0.519655 | 087 | 11 |
| 50 | 28959 | 9.461782 | 6.95 | 95715 | 9.980981 | .64 | 30255 | 9.480801 | 7.59 | 0.519199 | 3.3032 | 10 |
| 51 | 987 | 2199 | | 707 | 0942 | | 287 | 1257 | | 8743 | 017 | 9 |
| 52 | 29015 | 2616 | 6.94 | 698 | 0904 | | 319 | 1712 | 7.58 | 8288 | 3.2983 | 8 |
| 53 | 042 | 3032 | 6.93 | 690 | 0866 | | 351 | 2167 | 7.57 | 7833 | 948 | 7 |
| 54 | 070 | 3448 | | 681 | 0827 | | 382 | 2621 | | 7379 | 914 | 6 |
| 55 | 098 | 3864 | 6.92 | 673 | 0789 | | 414 | 3075 | 7.56 | 6925 | 879 | 5 |
| 56 | 126 | 4279 | 6.91 | 664 | 0750 | | 446 | 3529 | 7.55 | 6471 | 845 | 4 |
| 57 | 154 | 4694 | 6.90 | 656 | 0712 | | 478 | 3982 | | 6018 | 811 | 3 |
| 58 | 182 | 5108 | | 647 | 0673 | | 509 | 4435 | 7.54 | 5565 | 777 | 2 |
| 59 | 209 | 5522 | 6.89 | 639 | 0635 | | 541 | 4887 | 7.53 | 5113 | 743 | 1 |
| 60 | 29237 | 9.465935 | | 95630 | 9.980596 | | 30573 | 9.485339 | | 0.514661 | 3.2709 | 0 |
| 106° | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Log. | Nat. | 73° |
| | Cosines. | | | Sines. | | | Cotangents. | | | Tangents. | | |

| 17° | Sines. | | | Cosines. | | | Tangents. | | | Cotangents. | | 162° |
|------|----------|----------|------|----------|----------|------|-------------|----------|------|-------------|--------|------|
| | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Log. | Nat. | |
| 0' | 29237 | 9.465935 | 6.88 | 95630 | 9.980596 | .64 | 30573 | 9.485339 | 7.53 | 0.514661 | 3.2709 | 60' |
| 1 | 265 | 6348 | | 622 | 0558 | | 605 | 5791 | 7.52 | 4209 | 675 | 59 |
| 2 | 293 | 6761 | 6.87 | 613 | 0519 | .65 | 637 | 6242 | | 3758 | 641 | 58 |
| 3 | 321 | 7173 | 6.86 | 605 | 0480 | | 669 | 6693 | 7.50 | 3307 | 607 | 57 |
| 4 | 348 | 7585 | 6.85 | 596 | 0442 | | 700 | 7143 | | 2857 | 573 | 56 |
| 5 | 376 | 7996 | | 588 | 0403 | | 732 | 7593 | | 2407 | 539 | 55 |
| 6 | 404 | 8407 | 6.84 | 579 | 0364 | | 764 | 8043 | 7.48 | 1957 | 506 | 54 |
| 7 | 432 | 8817 | 6.83 | 571 | 0325 | | 796 | 8492 | | 1508 | 472 | 53 |
| 8 | 460 | 9227 | | 562 | 0286 | | 828 | 8941 | | 1059 | 438 | 52 |
| 9 | 487 | 9637 | 6.82 | 554 | 0247 | | 860 | 9390 | 7.47 | 0610 | 405 | 51 |
| 10 | 29515 | 9.470046 | 6.81 | 95545 | 9.980208 | .65 | 30891 | 9.489838 | 7.47 | 0.510162 | 3.2371 | 50 |
| 11 | 543 | 0455 | 6.80 | 536 | 0169 | | 923 | 9.490286 | 7.45 | 0.509714 | 338 | 49 |
| 12 | 571 | 0863 | | 528 | 0130 | | 955 | 0733 | | 9267 | 305 | 48 |
| 13 | 599 | 1271 | 6.79 | 519 | 0091 | | 987 | 1180 | | 8820 | 272 | 47 |
| 14 | 626 | 1679 | 6.78 | 511 | 0052 | | 31019 | 1627 | 7.43 | 8373 | 238 | 46 |
| 15 | 654 | 2086 | | 502 | 0012 | | 051 | 2073 | | 7927 | 205 | 45 |
| 16 | 682 | 2492 | 6.77 | 493 | 9.979973 | | 083 | 2519 | | 7481 | 172 | 44 |
| 17 | 710 | 2898 | 6.76 | 485 | 9934 | | 115 | 2965 | 7.42 | 7035 | 139 | 43 |
| 18 | 737 | 3304 | | 476 | 9895 | .66 | 147 | 3410 | 7.40 | 6590 | 106 | 42 |
| 19 | 765 | 3710 | 6.75 | 467 | 9855 | | 178 | 3854 | | 6146 | 073 | 41 |
| 20 | 29793 | 9.474115 | 6.74 | 95459 | 9.979816 | .66 | 31210 | 9.494299 | 7.40 | 0.505701 | 3.2041 | 40 |
| 21 | 821 | 4519 | | 450 | 9776 | | 242 | 4743 | 7.38 | 5257 | 008 | 39 |
| 22 | 849 | 4923 | 6.73 | 441 | 9737 | | 274 | 5186 | | 4814 | 3.1975 | 38 |
| 23 | 876 | 5327 | 6.72 | 433 | 9697 | | 306 | 5630 | | 4370 | 943 | 37 |
| 24 | 904 | 5730 | | 424 | 9658 | | 338 | 6073 | 7.37 | 3927 | 910 | 36 |
| 25 | 932 | 6133 | 6.71 | 415 | 9618 | | 370 | 6515 | 7.37 | 3485 | 878 | 35 |
| 26 | 960 | 6536 | 6.70 | 407 | 9579 | | 402 | 6957 | | 3043 | 845 | 34 |
| 27 | 987 | 6938 | 6.69 | 398 | 9539 | | 434 | 7399 | | 2601 | 813 | 33 |
| 28 | 30015 | 7340 | | 389 | 9499 | | 466 | 7841 | 7.35 | 2159 | 780 | 32 |
| 29 | 043 | 7741 | 6.68 | 380 | 9459 | | 498 | 8282 | 7.33 | 1718 | 748 | 31 |
| 30 | 30071 | 9.478142 | 6.67 | 95372 | 9.979420 | .66 | 31530 | 9.498722 | 7.33 | 0.501278 | 3.1716 | 30 |
| 31 | 098 | 8542 | | 363 | 9380 | | 562 | 9163 | | 0837 | 684 | 29 |
| 32 | 126 | 8942 | 6.66 | 354 | 9340 | | 594 | 9603 | 7.32 | 0397 | 652 | 28 |
| 33 | 154 | 9342 | 6.65 | 345 | 9300 | .67 | 626 | 9.500042 | | 0.499958 | 620 | 27 |
| 34 | 182 | 9741 | | 337 | 9260 | | 658 | 0481 | | 9519 | 588 | 26 |
| 35 | 209 | 9.480140 | 6.64 | 328 | 9220 | | 690 | 0920 | | 9080 | 556 | 25 |
| 36 | 237 | 0539 | 6.63 | 319 | 9180 | | 722 | 1359 | 7.30 | 8641 | 524 | 24 |
| 37 | 265 | 0937 | | 310 | 9140 | | 754 | 1797 | | 8203 | 492 | 23 |
| 38 | 292 | 1334 | 6.62 | 301 | 9100 | | 786 | 2235 | 7.28 | 7765 | 460 | 22 |
| 39 | 320 | 1731 | 6.61 | 293 | 9059 | | 818 | 2672 | | 7328 | 429 | 21 |
| 40 | 30348 | 9.482128 | 6.61 | 95284 | 9.979019 | .67 | 31850 | 9.503109 | 7.28 | 0.496891 | 3.1397 | 20 |
| 41 | 376 | 2525 | 6.60 | 275 | 8979 | | 882 | 3546 | 7.27 | 6454 | 366 | 19 |
| 42 | 403 | 2921 | 6.59 | 266 | 8939 | | 914 | 3982 | | 6018 | 334 | 18 |
| 43 | 431 | 3316 | | 257 | 8898 | | 946 | 4418 | | 5582 | 303 | 17 |
| 44 | 459 | 3712 | 6.58 | 248 | 8858 | | 978 | 4854 | 7.25 | 5146 | 271 | 16 |
| 45 | 486 | 4107 | 6.57 | 240 | 8817 | | 32010 | 5289 | | 4711 | 240 | 15 |
| 46 | 514 | 4501 | | 231 | 8777 | | 042 | 5724 | | 4276 | 209 | 14 |
| 47 | 542 | 4895 | 6.56 | 222 | 8737 | | 074 | 6159 | 7.23 | 3841 | 178 | 13 |
| 48 | 570 | 5289 | 6.55 | 213 | 8696 | .68 | 106 | 6593 | | 3407 | 146 | 12 |
| 49 | 597 | 5682 | | 204 | 8655 | | 139 | 7027 | 7.22 | 2973 | 115 | 11 |
| 50 | 30625 | 9.486075 | 6.54 | 95195 | 9.978615 | .68 | 32171 | 9.507460 | 7.22 | 0.492540 | 3.1084 | 10 |
| 51 | 653 | 6467 | 6.53 | 186 | 8574 | | 203 | 7893 | | 2107 | 053 | 9 |
| 52 | 680 | 6860 | | 177 | 8533 | | 235 | 8326 | | 1674 | 022 | 8 |
| 53 | 708 | 7251 | 6.52 | 168 | 8493 | | 267 | 8759 | 7.20 | 1241 | 3.0991 | 7 |
| 54 | 736 | 7643 | 6.51 | 159 | 8452 | | 299 | 9191 | 7.18 | 0809 | 961 | 6 |
| 55 | 763 | 8034 | | 150 | 8411 | | 331 | 9622 | | 0378 | 930 | 5 |
| 56 | 791 | 8424 | 6.50 | 142 | 8370 | | 363 | 9.510054 | | 0.489946 | 899 | 4 |
| 57 | 819 | 8814 | | 133 | 8329 | | 396 | 0485 | | 9515 | 868 | 3 |
| 58 | 846 | 9204 | 6.49 | 124 | 8288 | | 428 | 0916 | 7.17 | 9084 | 838 | 2 |
| 59 | 874 | 9593 | 6.48 | 115 | 8247 | | 460 | 1346 | | 8654 | 807 | 1 |
| 60 | 30902 | 9.489982 | | 95106 | 9.978206 | | 32492 | 9.511776 | | 0.488224 | 3.0777 | 0 |
| 107° | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Log. | Nat. | 72° |
| | Cosines. | | | Sines. | | | Cotangents. | | | Tangents. | | |

| 18° | Sines. | | | Cosines. | | | Tangents. | | | Cotangents. | | 161° |
|------|----------|----------|------|----------|----------|------|-------------|----------|------|-------------|--------|------|
| | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Log. | Nat. | |
| 0' | 30902 | 9.489982 | 6.48 | 95106 | 9.978206 | .68 | 32492 | 9.511776 | 7.17 | 0.488224 | 3.0777 | 60' |
| 1 | 929 | 9.490371 | 6.47 | 097 | 8165 | | 524 | 2206 | | 7794 | 746 | 59 |
| 2 | 957 | 0759 | | 088 | 8124 | | 556 | 2635 | 7.15 | 7365 | 716 | 58 |
| 3 | 985 | 1147 | | 079 | 8083 | .69 | 588 | 3064 | | 6936 | 686 | 57 |
| 4 | 31012 | 1535 | 6.45 | 070 | 8042 | | 621 | 3493 | 7.13 | 6507 | 655 | 56 |
| 5 | 040 | 1922 | 6.44 | 061 | 8001 | | 653 | 3921 | | 6079 | 625 | 55 |
| 6 | 068 | 2308 | | 052 | 7959 | | 685 | 4349 | | 5651 | 595 | 54 |
| 7 | 095 | 2695 | 6.43 | 043 | 7918 | | 717 | 4777 | 7.12 | 5223 | 565 | 53 |
| 8 | 123 | 3081 | 6.42 | 033 | 7877 | | 749 | 5204 | | 4796 | 535 | 52 |
| 9 | 151 | 3466 | | 024 | 7835 | | 782 | 5631 | 7.10 | 4369 | 505 | 51 |
| 10 | 31178 | 9.493851 | 6.42 | 95015 | 9.977794 | .69 | 32814 | 9.516057 | 7.10 | 0.483943 | 3.0475 | 50 |
| 11 | 206 | 4236 | | 006 | 7752 | | 846 | 6484 | | 3516 | 445 | 49 |
| 12 | 233 | 4621 | 6.40 | 94997 | 7711 | | 878 | 6910 | 7.08 | 3090 | 415 | 48 |
| 13 | 261 | 5005 | | 988 | 7669 | | 911 | 7335 | | 2665 | 385 | 47 |
| 14 | 289 | 5388 | 6.39 | 979 | 7628 | | 943 | 7761 | | 2239 | 356 | 46 |
| 15 | 316 | 5772 | | 970 | 7586 | | 975 | 8186 | 7.07 | 1814 | 326 | 45 |
| 16 | 344 | 6154 | 6.38 | 961 | 7544 | .70 | 33007 | 8610 | | 1390 | 296 | 44 |
| 17 | 372 | 6537 | 6.37 | 952 | 7503 | | 040 | 9034 | | 0966 | 267 | 43 |
| 18 | 399 | 6919 | | 943 | 7461 | | 072 | 9458 | | 0542 | 237 | 42 |
| 19 | 427 | 7301 | 6.36 | 933 | 7419 | | 104 | 9882 | 7.05 | 0118 | 208 | 41 |
| 20 | 31454 | 9.497682 | 6.36 | 94924 | 9.977377 | .70 | 33136 | 9.520305 | 7.05 | 0.479695 | 3.0178 | 40 |
| 21 | 482 | 8064 | 6.35 | 915 | 7335 | | 169 | 0728 | | 9272 | 149 | 39 |
| 22 | 510 | 8444 | 6.34 | 906 | 7293 | | 201 | 1151 | 7.03 | 8849 | 120 | 38 |
| 23 | 537 | 8825 | | 897 | 7251 | | 233 | 1573 | | 8427 | 090 | 37 |
| 24 | 565 | 9204 | 6.33 | 888 | 7209 | | 266 | 1995 | | 8005 | 061 | 36 |
| 25 | 593 | 9584 | 6.32 | 878 | 7167 | | 298 | 2417 | 7.02 | 7583 | 032 | 35 |
| 26 | 620 | 9963 | | 869 | 7125 | | 330 | 2838 | | 7162 | 003 | 34 |
| 27 | 648 | 9.500342 | 6.31 | 860 | 7083 | | 363 | 3259 | | 6741 | 2.9974 | 33 |
| 28 | 675 | 0721 | | 851 | 7041 | | 395 | 3680 | 7.00 | 6320 | 945 | 32 |
| 29 | 703 | 1099 | 6.30 | 842 | 6999 | | 427 | 4100 | | 5900 | 916 | 31 |
| 30 | 31730 | 9.501476 | 6.29 | 94832 | 9.976957 | .70 | 33460 | 9.524520 | 7.00 | 0.475480 | 2.9887 | 30 |
| 31 | 758 | 1854 | | 823 | 6914 | | 492 | 4940 | 6.98 | 5060 | 858 | 29 |
| 32 | 786 | 2231 | 6.28 | 814 | 6872 | .71 | 524 | 5359 | | 4641 | 829 | 28 |
| 33 | 813 | 2607 | | 805 | 6830 | | 557 | 5778 | | 4222 | 800 | 27 |
| 34 | 841 | 2984 | 6.27 | 795 | 6787 | | 589 | 6197 | 6.97 | 3803 | 772 | 26 |
| 35 | 868 | 3360 | 6.26 | 786 | 6745 | | 621 | 6615 | | 3385 | 743 | 25 |
| 36 | 896 | 3735 | | 777 | 6702 | | 654 | 7033 | 6.96 | 2967 | 714 | 24 |
| 37 | 923 | 4110 | 6.25 | 768 | 6660 | | 686 | 7451 | 6.95 | 2549 | 686 | 23 |
| 38 | 951 | 4485 | | 758 | 6617 | | 718 | 7868 | | 2132 | 657 | 22 |
| 39 | 979 | 4860 | 6.24 | 749 | 6574 | | 751 | 8285 | | 1715 | 629 | 21 |
| 40 | 32006 | 9.505234 | 6.23 | 94740 | 9.976532 | .71 | 33783 | 9.528702 | 6.95 | 0.471298 | 2.9600 | 20 |
| 41 | 034 | 5608 | | 730 | 6489 | | 816 | 9119 | 6.93 | 0881 | 572 | 19 |
| 42 | 061 | 5981 | 6.22 | 721 | 6446 | | 848 | 9535 | | 0465 | 544 | 18 |
| 43 | 089 | 6354 | | 712 | 6404 | | 881 | 9951 | 6.92 | 0049 | 516 | 17 |
| 44 | 116 | 6727 | 6.21 | 702 | 6361 | | 913 | 9.530366 | | 0.469634 | 487 | 16 |
| 45 | 144 | 7099 | 6.20 | 693 | 6318 | | 945 | 0781 | | 9219 | 459 | 15 |
| 46 | 171 | 7471 | | 684 | 6275 | | 978 | 1196 | | 8804 | 431 | 14 |
| 47 | 199 | 7843 | 6.19 | 674 | 6232 | .72 | 34010 | 1611 | 6.90 | 8389 | 403 | 13 |
| 48 | 227 | 8214 | | 665 | 6189 | | 043 | 2025 | | 7975 | 375 | 12 |
| 49 | 254 | 8585 | 6.18 | 656 | 6146 | | 075 | 2439 | 6.88 | 7561 | 347 | 11 |
| 50 | 32282 | 9.508956 | 6.18 | 94646 | 9.976103 | .72 | 34108 | 9.532853 | 6.88 | 0.467147 | 2.9319 | 10 |
| 51 | 309 | 9326 | 6.17 | 637 | 6060 | | 140 | 3266 | | 6734 | 291 | 9 |
| 52 | 337 | 9696 | 6.16 | 627 | 6017 | | 173 | 3679 | | 6321 | 263 | 8 |
| 53 | 364 | 9.510065 | | 618 | 5974 | | 205 | 4092 | 6.87 | 5908 | 235 | 7 |
| 54 | 392 | 0434 | 6.15 | 609 | 5930 | | 238 | 4504 | | 5496 | 208 | 6 |
| 55 | 419 | 0803 | | 599 | 5887 | | 270 | 4916 | | 5084 | 180 | 5 |
| 56 | 447 | 1172 | 6.14 | 590 | 5844 | | 303 | 5328 | 6.85 | 4672 | 152 | 4 |
| 57 | 474 | 1540 | 6.13 | 580 | 5800 | | 335 | 5739 | | 4261 | 125 | 3 |
| 58 | 502 | 1907 | | 571 | 5757 | | 368 | 6150 | | 3850 | 097 | 2 |
| 59 | 529 | 2275 | 6.12 | 561 | 5714 | | 400 | 6561 | | 3439 | 070 | 1 |
| 60 | 32557 | 9.512642 | | 94552 | 9.975670 | | 34433 | 9.536972 | | 0.463028 | 2.9042 | 0 |
| 108° | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Log. | Nat. | 71° |
| | Cosines. | | | Sines. | | | Cotangents. | | | Tangents. | | |

| 19° | Sines. | | | Cosines. | | | Tangents. | | | Cotangents. | | 160° |
|------|----------|----------|------|----------|----------|------|-------------|----------|------|-------------|--------|------|
| | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Log. | Nat. | |
| 0' | 32557 | 9.512642 | 6.12 | 94552 | 9.975670 | .73 | 34433 | 9.536972 | 6.84 | 0.463028 | 2.9042 | 60' |
| 1 | 584 | 3009 | 6.11 | 542 | 5627 | | 465 | 7382 | 6.83 | 2618 | 015 | 59 |
| 2 | 612 | 3375 | | 533 | 5583 | | 498 | 7792 | | 2208 | 2.8987 | 58 |
| 3 | 639 | 3741 | 6.10 | 523 | 5539 | | 530 | 8202 | 6.82 | 1798 | 960 | 57 |
| 4 | 667 | 4107 | 6.09 | 514 | 5496 | | 563 | 8611 | | 1389 | 933 | 56 |
| 5 | 694 | 4472 | | 504 | 5452 | | 596 | 9020 | 6.81 | 0980 | 905 | 55 |
| 6 | 722 | 4837 | 6.08 | 495 | 5408 | | 628 | 9429 | | 0571 | 878 | 54 |
| 7 | 749 | 5202 | | 485 | 5365 | | 661 | 9837 | 6.80 | 0163 | 851 | 53 |
| 8 | 777 | 5566 | 6.07 | 476 | 5321 | | 693 | 9.540245 | | 0.459755 | 824 | 52 |
| 9 | 804 | 5930 | | 466 | 5277 | | 726 | 0653 | 6.79 | 9347 | 797 | 51 |
| 10 | 32832 | 9.516294 | 6.06 | 94457 | 9.975233 | .73 | 34758 | 9.541061 | 6.79 | 0.458939 | 2.8770 | 50 |
| 11 | 859 | 6657 | 6.05 | 447 | 5189 | | 791 | 1408 | 6.78 | 8532 | 743 | 49 |
| 12 | 887 | 7020 | | 438 | 5145 | | 824 | 1875 | | 8125 | 716 | 48 |
| 13 | 914 | 7382 | 6.04 | 428 | 5101 | | 856 | 2281 | 6.77 | 7719 | 689 | 47 |
| 14 | 942 | 7745 | | 418 | 5057 | | 889 | 2688 | | 7312 | 662 | 46 |
| 15 | 969 | 8107 | 6.03 | 409 | 5013 | | 922 | 3094 | 6.76 | 6906 | 636 | 45 |
| 16 | 997 | 8468 | 6.02 | 399 | 4969 | .74 | 954 | 3499 | | 6501 | 609 | 44 |
| 17 | 33024 | 8829 | | 390 | 4925 | | 987 | 3905 | 6.75 | 6095 | 582 | 43 |
| 18 | 051 | 9190 | 6.01 | 380 | 4880 | | 35020 | 4310 | | 5690 | 556 | 42 |
| 19 | 079 | 9551 | | 370 | 4836 | | 052 | 4715 | 6.74 | 5285 | 529 | 41 |
| 20 | 33106 | 9.519011 | 6.00 | 94361 | 9.974792 | .74 | 35085 | 9.545119 | 6.74 | 0.454881 | 2.8502 | 40 |
| 21 | 134 | 9.520271 | | 351 | 4748 | | 118 | 5524 | 6.73 | 4476 | 476 | 39 |
| 22 | 161 | 0631 | 5.99 | 342 | 4703 | | 150 | 5928 | | 4072 | 449 | 38 |
| 23 | 189 | 0990 | | 332 | 4659 | | 183 | 6331 | 6.72 | 3669 | 423 | 37 |
| 24 | 216 | 1349 | 5.98 | 322 | 4614 | | 216 | 6735 | | 3265 | 397 | 36 |
| 25 | 244 | 1707 | | 313 | 4570 | | 248 | 7138 | 6.71 | 2862 | 370 | 35 |
| 26 | 271 | 2066 | 5.97 | 303 | 4525 | | 281 | 7540 | | 2460 | 344 | 34 |
| 27 | 298 | 2424 | 5.96 | 293 | 4481 | | 314 | 7943 | 6.70 | 2057 | 318 | 33 |
| 28 | 326 | 2781 | | 284 | 4436 | | 346 | 8345 | | 1655 | 291 | 32 |
| 29 | 353 | 3138 | 5.95 | 274 | 4391 | | 379 | 8747 | 6.69 | 1253 | 265 | 31 |
| 30 | 33381 | 9.523495 | 5.95 | 94264 | 9.974347 | .75 | 35412 | 9.549149 | 6.69 | 0.450851 | 2.8239 | 30 |
| 31 | 408 | 3852 | 5.94 | 254 | 4302 | | 445 | 9550 | 6.68 | 0450 | 213 | 29 |
| 32 | 436 | 4208 | | 245 | 4257 | | 477 | 9951 | | 0049 | 187 | 28 |
| 33 | 463 | 4564 | 5.93 | 235 | 4212 | | 510 | 9.550352 | 6.67 | 0.449648 | 161 | 27 |
| 34 | 490 | 4920 | | 225 | 4167 | | 543 | 0752 | | 9248 | 135 | 26 |
| 35 | 518 | 5275 | 5.92 | 215 | 4122 | | 576 | 1153 | 6.66 | 8847 | 109 | 25 |
| 36 | 545 | 5630 | 5.91 | 206 | 4077 | | 608 | 1552 | | 8448 | 083 | 24 |
| 37 | 573 | 5984 | | 196 | 4032 | | 641 | 1952 | 6.65 | 8048 | 057 | 23 |
| 38 | 600 | 6339 | | 186 | 3987 | | 674 | 2351 | | 7649 | 032 | 22 |
| 39 | 627 | 6693 | 5.90 | 176 | 3942 | | 707 | 2750 | | 7250 | 006 | 21 |
| 40 | 33655 | 9.527046 | 5.90 | 94167 | 9.973897 | .75 | 35740 | 9.553149 | 6.64 | 0.446851 | 2.7980 | 20 |
| 41 | 682 | 7400 | 5.89 | 157 | 3852 | | 772 | 3548 | | 6452 | 955 | 19 |
| 42 | 710 | 7753 | | 147 | 3807 | | 805 | 3946 | 6.63 | 6054 | 929 | 18 |
| 43 | 737 | 8105 | 5.88 | 137 | 3761 | | 838 | 4344 | | 5656 | 903 | 17 |
| 44 | 764 | 8458 | | 127 | 3716 | | 871 | 4741 | 6.62 | 5259 | 878 | 16 |
| 45 | 792 | 8810 | 5.87 | 118 | 3671 | .76 | 904 | 5139 | | 4861 | 852 | 15 |
| 46 | 819 | 9161 | | 108 | 3625 | | 937 | 5536 | 6.61 | 4464 | 827 | 14 |
| 47 | 846 | 9513 | 5.86 | 098 | 3580 | | 969 | 5933 | | 4067 | 801 | 13 |
| 48 | 874 | 9864 | | 088 | 3535 | | 36002 | 6329 | 6.60 | 3671 | 776 | 12 |
| 49 | 901 | 9.530215 | 5.85 | 078 | 3489 | | 035 | 6725 | | 3275 | 751 | 11 |
| 50 | 33929 | 9.530565 | 5.85 | 94068 | 9.973444 | .76 | 36068 | 9.557121 | 6.59 | 0.442879 | 2.7725 | 10 |
| 51 | 956 | 0915 | 5.84 | 058 | 3398 | | 101 | 7517 | | 2483 | 700 | 9 |
| 52 | 983 | 1265 | | 049 | 3352 | | 134 | 7913 | | 2087 | 675 | 8 |
| 53 | 34011 | 1614 | 5.83 | 039 | 3307 | | 167 | 8308 | 6.58 | 1692 | 650 | 7 |
| 54 | 038 | 1963 | 5.82 | 029 | 3261 | | 199 | 8703 | | 1297 | 625 | 6 |
| 55 | 065 | 2312 | | 019 | 3215 | | 232 | 9097 | 6.57 | 0903 | 600 | 5 |
| 56 | 093 | 2661 | 5.81 | 009 | 3169 | | 265 | 9491 | | 0509 | 575 | 4 |
| 57 | 120 | 3009 | | 93999 | 3124 | | 298 | 9885 | 6.56 | 0115 | 550 | 3 |
| 58 | 147 | 3357 | 5.80 | 989 | 3078 | | 331 | 9.560279 | | 0.439721 | 525 | 2 |
| 59 | 175 | 3704 | 5.79 | 979 | 3032 | .77 | 364 | 0673 | 6.55 | 9327 | 500 | 1 |
| 60 | 34202 | 9.534052 | | 93969 | 9.972986 | | 36397 | 9.561066 | | 0.438934 | 2.7475 | 0 |
| 109° | Cosines. | | | Sines. | | | Cotangents. | | | Tangents. | | 70° |
| | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Log. | Nat. | |

| 20° | Sines. | | | Cosines. | | | Tangents. | | | Cotangents. | | 159° |
|------|----------|----------|------|----------|----------|------|-------------|----------|------|-------------|--------|------|
| | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Log. | Nat. | |
| 0' | 34202 | 9.534052 | 5.78 | 93969 | 9.972986 | .77 | 36397 | 9.561066 | 6.55 | 0.438934 | 2.7475 | 60' |
| 1 | 229 | 4399 | 5.77 | 959 | 2940 | | 430 | 1459 | 6.54 | 8541 | 450 | 59 |
| 2 | 257 | 4745 | | 949 | 2894 | | 463 | 1851 | | 8149 | 425 | 58 |
| 3 | 284 | 5092 | | 939 | 2848 | | 496 | 2244 | 6.53 | 7756 | 400 | 57 |
| 4 | 311 | 5438 | 5.76 | 929 | 2802 | | 529 | 2636 | | 7364 | 376 | 56 |
| 5 | 339 | 5783 | | 919 | 2755 | | 562 | 3028 | | 6972 | 351 | 55 |
| 6 | 366 | 6129 | 5.75 | 909 | 2709 | | 595 | 3419 | 6.52 | 6581 | 326 | 54 |
| 7 | 393 | 6474 | 5.74 | 899 | 2663 | | 628 | 3811 | | 6189 | 302 | 53 |
| 8 | 421 | 6818 | | 889 | 2617 | | 661 | 4202 | 6.51 | 5798 | 277 | 52 |
| 9 | 448 | 7163 | 5.73 | 879 | 2570 | | 694 | 4593 | | 5407 | 253 | 51 |
| 10 | 34475 | 9.537507 | 5.73 | 93869 | 9.972524 | .77 | 36727 | 9.564983 | 6.50 | 0.435017 | 2.7228 | 50 |
| 11 | 503 | 7851 | 5.72 | 859 | 2478 | | 760 | 5373 | | 4627 | 204 | 49 |
| 12 | 530 | 8194 | | 849 | 2431 | | 793 | 5763 | 6.49 | 4237 | 179 | 48 |
| 13 | 557 | 8538 | 5.71 | 839 | 2385 | .78 | 826 | 6153 | | 3847 | 155 | 47 |
| 14 | 584 | 8880 | | 829 | 2338 | | 859 | 6542 | | 3458 | 130 | 46 |
| 15 | 612 | 9223 | 5.70 | 819 | 2291 | | 892 | 6932 | 6.48 | 3068 | 106 | 45 |
| 16 | 639 | 9565 | | 809 | 2245 | | 925 | 7320 | | 2680 | 082 | 44 |
| 17 | 666 | 9907 | 5.69 | 799 | 2198 | | 958 | 7709 | 6.47 | 2291 | 058 | 43 |
| 18 | 694 | 9.540249 | | 789 | 2151 | | 991 | 8098 | | 1902 | 034 | 42 |
| 19 | 721 | 0590 | 5.68 | 779 | 2105 | | 37024 | 8486 | 6.46 | 1514 | 009 | 41 |
| 20 | 34748 | 9.540931 | 5.68 | 93769 | 9.972058 | .78 | 37057 | 9.568873 | 6.46 | 0.431127 | 2.6985 | 40 |
| 21 | 775 | 1272 | 5.67 | 759 | 2011 | | 090 | 9261 | 6.45 | 0739 | 961 | 39 |
| 22 | 803 | 1613 | | 748 | 1964 | | 123 | 9648 | | 0352 | 937 | 38 |
| 23 | 830 | 1953 | 5.66 | 738 | 1917 | | 157 | 9.570035 | | 0.429965 | 913 | 37 |
| 24 | 857 | 2293 | | 728 | 1870 | | 190 | 0422 | 6.44 | 9578 | 889 | 36 |
| 25 | 884 | 2632 | 5.65 | 718 | 1823 | | 223 | 0809 | | 9191 | 865 | 35 |
| 26 | 912 | 2971 | | 708 | 1776 | | 256 | 1195 | 6.43 | 8805 | 841 | 34 |
| 27 | 939 | 3310 | 5.64 | 698 | 1729 | | 289 | 1581 | | 8419 | 818 | 33 |
| 28 | 966 | 3649 | | 688 | 1682 | .79 | 322 | 1967 | 6.42 | 8033 | 794 | 32 |
| 29 | 993 | 3987 | 5.63 | 677 | 1635 | | 355 | 2352 | | 7648 | 770 | 31 |
| 30 | 35021 | 9.544325 | 5.63 | 93667 | 9.971588 | .79 | 37388 | 9.572738 | 6.42 | 0.427262 | 2.6746 | 30 |
| 31 | 048 | 4663 | 5.62 | 657 | 1540 | | 422 | 3123 | 6.41 | 6877 | 723 | 29 |
| 32 | 075 | 5000 | | 647 | 1493 | | 455 | 3507 | | 6493 | 699 | 28 |
| 33 | 102 | 5338 | 5.61 | 637 | 1446 | | 488 | 3892 | 6.40 | 6108 | 675 | 27 |
| 34 | 130 | 5674 | | 626 | 1398 | | 521 | 4276 | | 5724 | 652 | 26 |
| 35 | 157 | 6011 | 5.60 | 616 | 1351 | | 554 | 4660 | 6.39 | 5340 | 628 | 25 |
| 36 | 184 | 6347 | | 606 | 1303 | | 588 | 5044 | | 4956 | 605 | 24 |
| 37 | 211 | 6683 | 5.59 | 596 | 1256 | | 621 | 5427 | | 4573 | 581 | 23 |
| 38 | 239 | 7019 | | 585 | 1208 | | 654 | 5810 | 6.38 | 4190 | 558 | 22 |
| 39 | 266 | 7354 | 5.58 | 575 | 1161 | | 687 | 6193 | | 3807 | 534 | 21 |
| 40 | 35293 | 9.547689 | 5.58 | 93565 | 9.971113 | .79 | 37720 | 9.576576 | 6.37 | 0.423424 | 2.6511 | 20 |
| 41 | 320 | 8024 | 5.57 | 555 | 1066 | .80 | 754 | 6959 | | 3041 | 488 | 19 |
| 42 | 347 | 8359 | | 544 | 1018 | | 787 | 7341 | 6.36 | 2659 | 464 | 18 |
| 43 | 375 | 8693 | 5.56 | 534 | 970 | | 820 | 7723 | | 2277 | 441 | 17 |
| 44 | 402 | 9027 | | 524 | 922 | | 853 | 8104 | | 1896 | 418 | 16 |
| 45 | 429 | 9360 | 5.55 | 514 | 874 | | 887 | 8486 | 6.35 | 1514 | 395 | 15 |
| 46 | 456 | 9693 | | 503 | 827 | | 920 | 8867 | | 1133 | 371 | 14 |
| 47 | 484 | 9.550026 | 5.54 | 493 | 779 | | 953 | 9248 | 6.34 | 0752 | 348 | 13 |
| 48 | 511 | 0359 | | 483 | 731 | | 986 | 9629 | | 0371 | 325 | 12 |
| 49 | 538 | 0692 | 5.53 | 472 | 683 | | 38020 | 9.580029 | | 0.419991 | 302 | 11 |
| 50 | 35565 | 9.551024 | 5.53 | 93462 | 9.970635 | .80 | 38053 | 9.580389 | 6.33 | 0.419611 | 2.6279 | 10 |
| 51 | 592 | 1356 | 5.52 | 452 | 0586 | | 086 | 0769 | | 9231 | 256 | 9 |
| 52 | 619 | 1687 | | 441 | 0538 | | 120 | 1149 | 6.32 | 8851 | 233 | 8 |
| 53 | 647 | 2018 | | 431 | 0490 | | 153 | 1528 | | 8472 | 210 | 7 |
| 54 | 674 | 2349 | 5.51 | 420 | 0442 | | 186 | 1907 | | 8093 | 187 | 6 |
| 55 | 701 | 2680 | | 410 | 0394 | | 220 | 2286 | 6.31 | 7714 | 165 | 5 |
| 56 | 728 | 3010 | 5.50 | 400 | 0345 | .81 | 253 | 2665 | | 7335 | 142 | 4 |
| 57 | 755 | 3341 | | 389 | 0297 | | 286 | 3044 | 6.30 | 6956 | 119 | 3 |
| 58 | 782 | 3670 | 5.49 | 379 | 0249 | | 320 | 3422 | | 6578 | 096 | 2 |
| 59 | 810 | 4000 | | 368 | 0200 | | 353 | 3800 | 6.29 | 6200 | 074 | 1 |
| 60 | 35837 | 9.554329 | | 93358 | 9.970152 | | 38386 | 9.584177 | | 0.415823 | 2.6051 | 0 |
| 110° | Cosines. | | | Sines. | | | Cotangents. | | | Tangents. | | 69° |
| | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Log. | Nat. | |

| 21° | Sines. | | | Cosines. | | | Tangents. | | | Cotangents. | | 158° |
|------|----------|----------|------|----------|----------|------|-------------|----------|------|-------------|--------|------|
| | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Log. | Nat. | |
| 0' | 35837 | 9.554329 | 5.48 | 93358 | 9.970152 | .81 | 38386 | 9.584177 | 6.29 | 0.415823 | 2.6051 | 60' |
| 1 | 864 | 4658 | | 348 | 0103 | | 420 | 4555 | | 5445 | 028 | 59 |
| 2 | 891 | 4987 | 5.47 | 337 | 0055 | | 453 | 4932 | 6.28 | 5068 | 006 | 58 |
| 3 | 918 | 5315 | | 327 | 0006 | | 487 | 5309 | | 4691 | 2.5983 | 57 |
| 4 | 945 | 5643 | 5.46 | 316 | 9.969957 | | 520 | 5686 | 6.27 | 4314 | 961 | 56 |
| 5 | 973 | 5971 | | 306 | 9909 | | 553 | 6062 | | 3938 | 938 | 55 |
| 6 | 36000 | 6299 | 5.45 | 295 | 9860 | | 587 | 6439 | | 3561 | 916 | 54 |
| 7 | 027 | 6626 | | 285 | 9811 | | 620 | 6815 | 6.26 | 3185 | 893 | 53 |
| 8 | 054 | 6953 | 5.44 | 274 | 9762 | | 654 | 7190 | | 2810 | 871 | 52 |
| 9 | 081 | 7280 | | 264 | 9714 | | 687 | 7566 | 6.25 | 2434 | 848 | 51 |
| 10 | 36108 | 9.557606 | 5.43 | 93253 | 9.969665 | .81 | 38721 | 9.587941 | 6.25 | 0.412059 | 2.5826 | 50 |
| 11 | 135 | 7932 | | 243 | 9616 | .82 | 754 | 8316 | | 1684 | 804 | 49 |
| 12 | 162 | 8258 | | 232 | 9567 | | 787 | 8691 | 6.24 | 1309 | 782 | 48 |
| 13 | 190 | 8583 | 5.42 | 222 | 9518 | | 821 | 9066 | | 0934 | 759 | 47 |
| 14 | 217 | 8909 | | 211 | 9469 | | 854 | 9440 | 6.23 | 0560 | 737 | 46 |
| 15 | 244 | 9234 | 5.41 | 201 | 9420 | | 888 | 9814 | | 0186 | 715 | 45 |
| 16 | 271 | 9558 | | 190 | 9370 | | 921 | 9.590188 | | 0.400812 | 693 | 44 |
| 17 | 298 | 9883 | 5.40 | 180 | 9321 | | 955 | 0562 | 6.22 | 9438 | 671 | 43 |
| 18 | 325 | 9.560207 | | 169 | 9272 | | 988 | 0935 | | 9065 | 649 | 42 |
| 19 | 352 | 0531 | 5.39 | 159 | 9223 | | 39022 | 1308 | | 8692 | 627 | 41 |
| 20 | 36379 | 9.560855 | 5.39 | 93148 | 9.969173 | .82 | 39055 | 9.591681 | 6.21 | 0.408319 | 2.5605 | 40 |
| 21 | 406 | 1178 | 5.38 | 137 | 9124 | | 089 | 2054 | | 7946 | 583 | 39 |
| 22 | 434 | 1501 | | 127 | 9075 | | 122 | 2426 | 6.20 | 7574 | 561 | 38 |
| 23 | 461 | 1824 | 5.37 | 116 | 9025 | | 156 | 2799 | | 7201 | 539 | 37 |
| 24 | 488 | 2146 | | 106 | 8976 | | 190 | 3171 | 6.19 | 6829 | 517 | 36 |
| 25 | 515 | 2468 | 5.36 | 095 | 8926 | .83 | 223 | 3542 | | 6458 | 495 | 35 |
| 26 | 542 | 2790 | | 084 | 8877 | | 257 | 3914 | 6.18 | 6086 | 473 | 34 |
| 27 | 569 | 3112 | | 074 | 8827 | | 290 | 4285 | | 5715 | 452 | 33 |
| 28 | 596 | 3433 | 5.35 | 063 | 8777 | | 324 | 4656 | | 5344 | 430 | 32 |
| 29 | 623 | 3755 | | 052 | 8728 | | 357 | 5027 | | 4973 | 408 | 31 |
| 30 | 36650 | 9.564075 | 5.34 | 93042 | 9.968678 | .83 | 39391 | 9.595398 | 6.17 | 0.404602 | 2.5386 | 30 |
| 31 | 677 | 4396 | | 031 | 8628 | | 425 | 5768 | | 4232 | 365 | 29 |
| 32 | 704 | 4716 | 5.33 | 020 | 8578 | | 458 | 6138 | 6.16 | 3862 | 343 | 28 |
| 33 | 731 | 5036 | | 010 | 8528 | | 492 | 6508 | | 3492 | 322 | 27 |
| 34 | 758 | 5356 | 5.32 | 92999 | 8479 | | 526 | 6878 | | 3122 | 300 | 26 |
| 35 | 785 | 5676 | | 988 | 8429 | | 559 | 7247 | 6.15 | 2753 | 279 | 25 |
| 36 | 812 | 5995 | 5.31 | 978 | 8379 | | 593 | 7616 | | 2384 | 257 | 24 |
| 37 | 839 | 6314 | | 967 | 8329 | | 626 | 7985 | | 2015 | 236 | 23 |
| 38 | 867 | 6632 | | 956 | 8278 | | 660 | 8354 | 6.14 | 1646 | 214 | 22 |
| 39 | 894 | 6951 | 5.30 | 945 | 8228 | .84 | 694 | 8722 | | 1278 | 193 | 21 |
| 40 | 36921 | 9.567269 | 5.30 | 92935 | 9.968178 | .84 | 39727 | 9.599091 | 6.13 | 0.400909 | 2.5172 | 20 |
| 41 | 948 | 7587 | 5.29 | 924 | 8128 | | 761 | 9459 | | 0541 | 150 | 19 |
| 42 | 975 | 7904 | | 913 | 8078 | | 795 | 9827 | | 0173 | 129 | 18 |
| 43 | 37002 | 8222 | 5.28 | 902 | 8027 | | 829 | 9.600194 | 6.12 | 0.399806 | 108 | 17 |
| 44 | 029 | 8539 | | 892 | 7977 | | 862 | 0562 | | 9438 | 086 | 16 |
| 45 | 056 | 8856 | | 881 | 7927 | | 896 | 0929 | 6.11 | 9071 | 065 | 15 |
| 46 | 083 | 9172 | 5.27 | 870 | 7876 | | 930 | 1296 | | 8704 | 044 | 14 |
| 47 | 110 | 9488 | | 859 | 7826 | | 963 | 1663 | | 8337 | 023 | 13 |
| 48 | 137 | 9804 | 5.26 | 849 | 7775 | | 997 | 2029 | 6.10 | 7971 | 002 | 12 |
| 49 | 164 | 9.570120 | | 838 | 7725 | | 40031 | 2395 | | 7605 | 2.4981 | 11 |
| 50 | 37191 | 9.570435 | 5.25 | 92827 | 9.967674 | .84 | 40065 | 9.602761 | 6.10 | 0.397239 | 2.4960 | 10 |
| 51 | 218 | 0751 | | 816 | 7624 | | 098 | 3127 | 6.09 | 6873 | 939 | 9 |
| 52 | 245 | 1066 | 5.24 | 805 | 7573 | | 132 | 3493 | | 6507 | 918 | 8 |
| 53 | 272 | 1380 | | 794 | 7522 | .85 | 166 | 3858 | | 6142 | 897 | 7 |
| 54 | 299 | 1695 | 5.23 | 784 | 7471 | | 200 | 4223 | 6.08 | 5777 | 876 | 6 |
| 55 | 326 | 2009 | | 773 | 7421 | | 234 | 4588 | | 5412 | 855 | 5 |
| 56 | 353 | 2323 | | 762 | 7370 | | 267 | 4953 | 6.07 | 5047 | 834 | 4 |
| 57 | 380 | 2636 | 5.22 | 751 | 7319 | | 301 | 5317 | | 4683 | 813 | 3 |
| 58 | 407 | 2950 | | 740 | 7268 | | 335 | 5682 | | 4318 | 792 | 2 |
| 59 | 434 | 3263 | 5.21 | 729 | 7217 | | 369 | 6046 | 6.06 | 3954 | 772 | 1 |
| 60 | 37461 | 9.573575 | | 92718 | 9.967166 | | 40403 | 9.606410 | | 0.393590 | 2.4751 | 0 |
| 111° | Cosines. | | | Sines. | | | Cotangents. | | | Tangents. | | 68° |
| | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Log. | Nat. | |

| 22° | Sines. | | | Cosines. | | | Tangents. | | | Cotangents. | | 157° |
|------|----------|----------|------|----------|----------|------|-------------|----------|------|-------------|--------|------|
| | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Log. | Nat. | |
| 0' | 37461 | 9.573575 | 5.21 | 92718 | 9.967166 | .85 | 40403 | 9.606410 | 6.06 | 0.393590 | 2.4751 | 60' |
| 1 | 488 | 3888 | 5.20 | 707 | 7115 | | 436 | 6773 | | 3227 | 730 | 59 |
| 2 | 515 | 4200 | | 697 | 7064 | | 470 | 7137 | 6.05 | 2863 | 709 | 58 |
| 3 | 542 | 4512 | 5.19 | 686 | 7013 | | 504 | 7500 | | 2500 | 689 | 57 |
| 4 | 569 | 4824 | | 675 | 6961 | | 538 | 7863 | 6.04 | 2137 | 668 | 56 |
| 5 | 595 | 5136 | | 664 | 6910 | | 572 | 8225 | | 1775 | 648 | 55 |
| 6 | 622 | 5447 | 5.18 | 653 | 6859 | | 606 | 8588 | | 1412 | 627 | 54 |
| 7 | 649 | 5758 | | 642 | 6808 | | 640 | 8950 | 6.03 | 1050 | 606 | 53 |
| 8 | 676 | 6069 | 5.17 | 631 | 6756 | .86 | 674 | 9312 | | 0688 | 586 | 52 |
| 9 | 703 | 6379 | | 620 | 6705 | | 707 | 9674 | | 0326 | 566 | 51 |
| 10 | 37730 | 9.576089 | 5.16 | 92609 | 9.966653 | .86 | 40741 | 9.610036 | 6.02 | 0.389964 | 2.4545 | 50 |
| 11 | 757 | 6099 | | 598 | 6602 | | 775 | 0397 | | 9603 | 525 | 49 |
| 12 | 784 | 7309 | | 587 | 6550 | | 809 | 0759 | | 9241 | 504 | 48 |
| 13 | 811 | 7618 | 5.15 | 576 | 6499 | | 843 | 1120 | 6.01 | 8880 | 484 | 47 |
| 14 | 838 | 7927 | | 565 | 6447 | | 877 | 1480 | | 8520 | 464 | 46 |
| 15 | 865 | 8236 | 5.14 | 554 | 6395 | | 911 | 1841 | | 8159 | 443 | 45 |
| 16 | 892 | 8545 | | 543 | 6344 | | 945 | 2201 | 6.00 | 7799 | 423 | 44 |
| 17 | 919 | 8853 | 5.13 | 532 | 6292 | | 979 | 2561 | | 7439 | 403 | 43 |
| 18 | 946 | 9162 | | 521 | 6240 | | 41013 | 2921 | | 7079 | 383 | 42 |
| 19 | 973 | 9470 | | 510 | 6188 | | 047 | 3281 | 5.99 | 6719 | 362 | 41 |
| 20 | 37999 | 9.579777 | 5.12 | 92499 | 9.966136 | .86 | 41081 | 9.613641 | 5.99 | 0.386359 | 2.4342 | 40 |
| 21 | 38026 | 9.580085 | | 488 | 6085 | | 115 | 4000 | 5.98 | 6000 | 322 | 39 |
| 22 | 053 | 0392 | 5.11 | 477 | 6033 | | 149 | 4359 | | 5641 | 302 | 38 |
| 23 | 080 | 0699 | | 466 | 5981 | | 183 | 4718 | | 5282 | 282 | 37 |
| 24 | 107 | 1005 | | 455 | 5929 | | 217 | 5077 | 5.97 | 4923 | 262 | 36 |
| 25 | 134 | 1312 | 5.10 | 444 | 5876 | | 251 | 5435 | | 4565 | 242 | 35 |
| 26 | 161 | 1618 | | 432 | 5824 | | 285 | 5793 | | 4207 | 222 | 34 |
| 27 | 188 | 1924 | 5.09 | 421 | 5772 | | 319 | 6151 | 5.96 | 3849 | 202 | 33 |
| 28 | 215 | 2229 | | 410 | 5720 | | 353 | 6509 | | 3491 | 182 | 32 |
| 29 | 241 | 2535 | | 399 | 5668 | | 387 | 6867 | | 3133 | 162 | 31 |
| 30 | 38268 | 9.582840 | 5.08 | 92388 | 9.965615 | .87 | 41421 | 9.617224 | 5.95 | 0.382776 | 2.4142 | 30 |
| 31 | 295 | 3145 | | 377 | 5563 | | 455 | 7582 | | 2418 | 122 | 29 |
| 32 | 322 | 3449 | 5.07 | 366 | 5511 | | 490 | 7939 | | 2061 | 102 | 28 |
| 33 | 349 | 3754 | | 355 | 5458 | | 524 | 8295 | 5.94 | 1705 | 083 | 27 |
| 34 | 376 | 4058 | 5.06 | 343 | 5406 | | 558 | 8652 | | 1348 | 063 | 26 |
| 35 | 403 | 4361 | | 332 | 5353 | .88 | 592 | 9008 | | 0992 | 043 | 25 |
| 36 | 430 | 4665 | | 321 | 5301 | | 626 | 9364 | 5.93 | 0636 | 023 | 24 |
| 37 | 456 | 4968 | 5.05 | 310 | 5248 | | 660 | 9720 | | 0280 | 004 | 23 |
| 38 | 483 | 5272 | | 299 | 5195 | | 694 | 9.620076 | | 0.379924 | 2.3984 | 22 |
| 39 | 510 | 5574 | 5.04 | 287 | 5143 | | 728 | 0432 | 5.92 | 9568 | 964 | 21 |
| 40 | 38537 | 9.585877 | 5.04 | 92276 | 9.965090 | .88 | 41763 | 9.620787 | 5.92 | 0.379213 | 2.3945 | 20 |
| 41 | 564 | 6179 | 5.03 | 265 | 5037 | | 797 | 1142 | | 8858 | 925 | 19 |
| 42 | 591 | 6482 | | 254 | 4984 | | 831 | 1497 | 5.91 | 8503 | 906 | 18 |
| 43 | 617 | 6783 | | 243 | 4931 | | 865 | 1852 | | 8148 | 886 | 17 |
| 44 | 644 | 7085 | 5.02 | 231 | 4879 | | 899 | 2207 | 5.90 | 7793 | 867 | 16 |
| 45 | 671 | 7386 | | 220 | 4826 | | 933 | 2561 | | 7439 | 847 | 15 |
| 46 | 698 | 7688 | 5.01 | 209 | 4773 | | 968 | 2915 | | 7085 | 828 | 14 |
| 47 | 725 | 7989 | | 198 | 4720 | | 42002 | 3269 | 5.89 | 6731 | 808 | 13 |
| 48 | 752 | 8289 | | 186 | 4666 | .89 | 036 | 3623 | | 6377 | 789 | 12 |
| 49 | 778 | 8590 | 5.00 | 175 | 4613 | | 070 | 3976 | | 6024 | 770 | 11 |
| 50 | 38805 | 9.588890 | 5.00 | 92164 | 9.964560 | .89 | 42105 | 9.624330 | 5.88 | 0.375670 | 2.3750 | 10 |
| 51 | 832 | 9190 | 4.99 | 152 | 4507 | | 139 | 4683 | | 5317 | 731 | 9 |
| 52 | 859 | 9489 | | 141 | 4454 | | 173 | 5036 | | 4904 | 712 | 8 |
| 53 | 886 | 9789 | | 130 | 4400 | | 207 | 5388 | 5.87 | 4612 | 693 | 7 |
| 54 | 912 | 9.590088 | 4.98 | 119 | 4347 | | 242 | 5741 | | 4259 | 673 | 6 |
| 55 | 939 | 0387 | | 107 | 4294 | | 276 | 6093 | | 3907 | 654 | 5 |
| 56 | 966 | 0686 | 4.97 | 096 | 4240 | | 310 | 6445 | 5.86 | 3555 | 635 | 4 |
| 57 | 993 | 0984 | | 085 | 4187 | | 345 | 6797 | | 3203 | 616 | 3 |
| 58 | 39020 | 1282 | | 073 | 4133 | | 379 | 7149 | | 2851 | 597 | 2 |
| 59 | 046 | 1580 | 4.96 | 062 | 4080 | | 413 | 7501 | 5.85 | 2499 | 578 | 1 |
| 60 | 39073 | 9.591878 | | 92050 | 9.964026 | | 42447 | 9.627852 | | 0.372148 | 2.3559 | 0 |
| 112° | Cosines. | | | Sines. | | | Cotangents. | | | Tangents. | | 67° |
| | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Log. | Nat. | |

| 23° | Sines. | | | Cosines. | | | Tangents. | | | Cotangents. | | 156° |
|------|----------|----------|------|----------|----------|------|-------------|----------|------|-------------|--------|------|
| | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Log. | Nat. | |
| 0' | 39073 | 0.591878 | 4.96 | 92050 | 9.904026 | .89 | 42447 | 0.927852 | 5.85 | 0.372148 | 2.3559 | 60' |
| 1 | 100 | 2176 | 4.95 | 039 | 3972 | | 482 | 8203 | | 1797 | 539 | 59 |
| 2 | 127 | 2473 | | 028 | 3919 | | 516 | 8554 | | 1446 | 520 | 58 |
| 3 | 153 | 2770 | | 016 | 3865 | .90 | 551 | 8905 | 5.84 | 1095 | 502 | 57 |
| 4 | 180 | 3067 | 4.94 | 005 | 3811 | | 585 | 9255 | | 0745 | 483 | 56 |
| 5 | 207 | 3363 | | 91994 | 3757 | | 619 | 9606 | 5.83 | 0394 | 464 | 55 |
| 6 | 234 | 3659 | 4.93 | 982 | 3704 | | 654 | 9956 | | 0044 | 445 | 54 |
| 7 | 260 | 3955 | | 971 | 3650 | | 688 | 9.630306 | | 0.369694 | 426 | 53 |
| 8 | 287 | 4251 | | 959 | 3596 | | 722 | 0656 | | 9344 | 407 | 52 |
| 9 | 314 | 4547 | 4.92 | 948 | 3542 | | 757 | 1005 | 5.82 | 8995 | 388 | 51 |
| 10 | 39341 | 0.594842 | 4.92 | 91396 | 9.903488 | .90 | 42791 | 0.631355 | 5.82 | 0.368645 | 2.3369 | 50 |
| 11 | 367 | 5137 | 4.91 | 925 | 3434 | | 826 | 1704 | | 8296 | 351 | 49 |
| 12 | 394 | 5432 | | 914 | 3379 | | 860 | 2053 | 5.81 | 7947 | 332 | 48 |
| 13 | 421 | 5727 | | 902 | 3325 | | 894 | 2402 | | 7598 | 313 | 47 |
| 14 | 448 | 6021 | 4.90 | 891 | 3271 | | 929 | 2750 | | 7250 | 294 | 46 |
| 15 | 474 | 6315 | | 879 | 3217 | | 963 | 3099 | 5.80 | 6901 | 276 | 45 |
| 16 | 501 | 6609 | 4.89 | 868 | 3163 | | 998 | 3447 | | 6553 | 257 | 44 |
| 17 | 528 | 6903 | | 856 | 3108 | .91 | 43032 | 3795 | | 6205 | 238 | 43 |
| 18 | 555 | 7196 | | 845 | 3054 | | 067 | 4143 | 5.79 | 5857 | 220 | 42 |
| 19 | 581 | 7490 | 4.88 | 833 | 2999 | | 101 | 4490 | | 5510 | 201 | 41 |
| 20 | 39608 | 0.597783 | 4.88 | 91822 | 9.902945 | .91 | 43136 | 0.634838 | 5.79 | 0.365162 | 2.3183 | 40 |
| 21 | 635 | 8075 | 4.87 | 810 | 2890 | | 170 | 5185 | 5.78 | 4815 | 164 | 39 |
| 22 | 661 | 8368 | | 799 | 2836 | | 205 | 5532 | | 4468 | 146 | 38 |
| 23 | 688 | 8660 | | 787 | 2781 | | 239 | 5879 | | 4121 | 127 | 37 |
| 24 | 715 | 8952 | 4.86 | 775 | 2727 | | 274 | 6226 | 5.77 | 3774 | 109 | 36 |
| 25 | 741 | 9244 | | 764 | 2672 | | 308 | 6572 | | 3428 | 090 | 35 |
| 26 | 768 | 9536 | 4.85 | 752 | 2617 | | 343 | 6919 | | 3081 | 072 | 34 |
| 27 | 795 | 9827 | | 741 | 2562 | | 378 | 7265 | | 2735 | 053 | 33 |
| 28 | 822 | 9.600118 | | 729 | 2508 | | 412 | 7611 | 5.76 | 2389 | 035 | 32 |
| 29 | 848 | 0409 | 4.84 | 718 | 2453 | | 447 | 7956 | | 2044 | 017 | 31 |
| 30 | 39875 | 0.600700 | 4.84 | 91706 | 9.902398 | .92 | 43481 | 0.638302 | 5.76 | 0.361698 | 2.2998 | 30 |
| 31 | 902 | 0990 | | 694 | 2343 | | 516 | 8647 | 5.75 | 1353 | 980 | 29 |
| 32 | 928 | 1280 | 4.83 | 683 | 2288 | | 550 | 8992 | | 1008 | 962 | 28 |
| 33 | 955 | 1570 | | 671 | 2233 | | 585 | 9337 | | 0663 | 944 | 27 |
| 34 | 982 | 1860 | 4.82 | 660 | 2178 | | 620 | 9682 | 5.74 | 0318 | 925 | 26 |
| 35 | 40008 | 2150 | | 648 | 2123 | | 654 | 9.640027 | | 0.359973 | 907 | 25 |
| 36 | 035 | 2439 | | 636 | 2067 | | 689 | 0371 | | 9629 | 889 | 24 |
| 37 | 062 | 2728 | 4.81 | 625 | 2012 | | 724 | 0716 | 5.73 | 9284 | 871 | 23 |
| 38 | 088 | 3017 | | 613 | 1957 | | 758 | 1060 | | 8940 | 853 | 22 |
| 39 | 115 | 3305 | | 601 | 1902 | | 793 | 1404 | | 8596 | 835 | 21 |
| 40 | 40141 | 0.603594 | 4.80 | 91590 | 9.901846 | .92 | 43828 | 0.641747 | 5.72 | 0.358253 | 2.2817 | 20 |
| 41 | 168 | 3882 | | 578 | 1791 | | 862 | 2091 | | 7909 | 799 | 19 |
| 42 | 195 | 4170 | 4.79 | 566 | 1735 | | 897 | 2434 | | 7566 | 781 | 18 |
| 43 | 221 | 4457 | | 555 | 1680 | | 932 | 2777 | | 7223 | 763 | 17 |
| 44 | 248 | 4745 | | 543 | 1624 | .93 | 966 | 3120 | 5.71 | 6880 | 745 | 16 |
| 45 | 275 | 5032 | 4.78 | 531 | 1569 | | 44001 | 3463 | | 6537 | 727 | 15 |
| 46 | 301 | 5319 | | 519 | 1513 | | 036 | 3806 | | 6194 | 709 | 14 |
| 47 | 328 | 5606 | | 508 | 1458 | | 071 | 4148 | 5.70 | 5852 | 691 | 13 |
| 48 | 355 | 5892 | 4.77 | 496 | 1402 | | 105 | 4490 | | 5510 | 673 | 12 |
| 49 | 381 | 6179 | | 484 | 1346 | | 140 | 4832 | | 5168 | 655 | 11 |
| 50 | 40408 | 0.606465 | 4.76 | 91472 | 9.901290 | .93 | 44175 | 0.645174 | 5.69 | 0.354826 | 2.2637 | 10 |
| 51 | 434 | 6751 | | 461 | 1235 | | 210 | 5516 | | 4484 | 620 | 9 |
| 52 | 461 | 7036 | | 449 | 1179 | | 244 | 5857 | | 4143 | 602 | 8 |
| 53 | 488 | 7322 | 4.75 | 437 | 1123 | | 279 | 6199 | | 3801 | 584 | 7 |
| 54 | 514 | 7607 | | 425 | 1067 | | 314 | 6540 | 5.68 | 3460 | 566 | 6 |
| 55 | 541 | 7892 | 4.74 | 414 | 1011 | | 349 | 6881 | | 3119 | 549 | 5 |
| 56 | 567 | 8177 | | 402 | 9955 | | 384 | 7222 | | 2778 | 531 | 4 |
| 57 | 594 | 8461 | | 390 | 0899 | | 418 | 7562 | 5.67 | 2438 | 513 | 3 |
| 58 | 621 | 8745 | 4.73 | 378 | 0843 | .94 | 453 | 7903 | | 2097 | 496 | 2 |
| 59 | 647 | 9029 | | 366 | 0786 | | 488 | 8243 | | 1757 | 478 | 1 |
| 60 | 40674 | 0.609313 | | 91355 | 9.900730 | | 44523 | 9.648583 | | 0.351417 | 2.2460 | 0 |
| 113° | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Log. | Nat. | 66° |
| | Cosines. | | | Sines. | | | Cotangents. | | | Tangents. | | |

| 24° | Sines. | | | Cosines. | | | Tangents. | | | Cotangents. | | 155° |
|------|----------|-----------|------|----------|----------|------|-------------|----------|------|-------------|--------|------|
| | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Log. | Nat. | |
| 0' | 40674 | 9.6009313 | 4.73 | 91355 | 9.960730 | .94 | 44523 | 9.648583 | 5.66 | 0.351417 | 2.2460 | 60' |
| 1 | 700 | 9597 | 4.72 | 343 | 0674 | | 558 | 8923 | | 1077 | 443 | 59 |
| 2 | 727 | 9880 | | 331 | 0618 | | 593 | 9263 | | 0737 | 425 | 58 |
| 3 | 753 | 9.610164 | | 319 | 0561 | | 627 | 9602 | | 0398 | 408 | 57 |
| 4 | 780 | 0447 | 4.71 | 307 | 0505 | | 662 | 9942 | 5.65 | 0058 | 390 | 56 |
| 5 | 806 | 0729 | | 295 | 0448 | | 697 | 9.650281 | | 0.349719 | 373 | 55 |
| 6 | 833 | 1012 | 4.70 | 283 | 0392 | | 732 | 0620 | | 9380 | 355 | 54 |
| 7 | 860 | 1294 | | 272 | 0335 | | 767 | 0959 | 5.64 | 9041 | 338 | 53 |
| 8 | 886 | 1576 | | 260 | 0279 | | 802 | 1297 | | 8703 | 320 | 52 |
| 9 | 913 | 1858 | 4.69 | 248 | 0222 | | 837 | 1636 | | 8364 | 303 | 51 |
| 10 | 40939 | 9.612140 | 4.69 | 91236 | 9.960165 | .94 | 44872 | 9.651974 | 5.63 | 0.348026 | 2.2286 | 50 |
| 11 | 966 | 2421 | | 224 | 0109 | .95 | 907 | 2312 | | 7688 | 268 | 49 |
| 12 | 992 | 2702 | 4.68 | 212 | 0052 | | 942 | 2650 | | 7350 | 251 | 48 |
| 13 | 41019 | 2983 | | 200 | 9.959905 | | 977 | 2988 | | 7012 | 234 | 47 |
| 14 | 045 | 3264 | 4.67 | 188 | 9938 | | 45012 | 3326 | 5.62 | 6674 | 216 | 46 |
| 15 | 072 | 3545 | | 176 | 9882 | | 047 | 3063 | | 6337 | 199 | 45 |
| 16 | 098 | 3825 | | 164 | 9825 | | 082 | 4000 | | 6000 | 182 | 44 |
| 17 | 125 | 4105 | 4.66 | 152 | 9768 | | 117 | 4337 | 5.61 | 5663 | 165 | 43 |
| 18 | 151 | 4385 | | 140 | 9711 | | 152 | 4674 | | 5326 | 148 | 42 |
| 19 | 178 | 4665 | | 128 | 9654 | | 187 | 5011 | | 4989 | 130 | 41 |
| 20 | 41204 | 9.614944 | 4.65 | 91116 | 9.959596 | .95 | 45222 | 9.655348 | 5.61 | 0.344652 | 2.2113 | 40 |
| 21 | 231 | 5223 | | 104 | 9539 | | 257 | 5684 | 5.60 | 4316 | 096 | 39 |
| 22 | 257 | 5502 | | 092 | 9482 | | 292 | 6020 | | 3980 | 079 | 38 |
| 23 | 284 | 5781 | 4.64 | 080 | 9425 | | 327 | 6356 | | 3644 | 062 | 37 |
| 24 | 310 | 6060 | | 068 | 9368 | | 362 | 6692 | 5.59 | 3308 | 045 | 36 |
| 25 | 337 | 6338 | | 056 | 9310 | .96 | 397 | 7028 | | 2972 | 028 | 35 |
| 26 | 363 | 6616 | 4.63 | 044 | 9253 | | 432 | 7364 | | 2636 | 011 | 34 |
| 27 | 390 | 6894 | | 032 | 9195 | | 467 | 7699 | | 2301 | 2.1994 | 33 |
| 28 | 416 | 7172 | 4.62 | 020 | 9138 | | 502 | 8034 | 5.58 | 1966 | 977 | 32 |
| 29 | 443 | 7450 | | 008 | 9080 | | 538 | 8369 | | 1631 | 960 | 31 |
| 30 | 41469 | 9.617727 | 4.62 | 90996 | 9.959023 | .96 | 45573 | 9.658704 | 5.58 | 0.341296 | 2.1943 | 30 |
| 31 | 496 | 8004 | 4.61 | 984 | 8965 | | 608 | 9039 | | 0961 | 926 | 29 |
| 32 | 522 | 8281 | | 972 | 8908 | | 643 | 9373 | 5.57 | 0627 | 909 | 28 |
| 33 | 549 | 8558 | | 960 | 8850 | | 678 | 9708 | | 0292 | 892 | 27 |
| 34 | 575 | 8834 | 4.60 | 948 | 8792 | | 713 | 9.660042 | | 0.339958 | 876 | 26 |
| 35 | 602 | 9110 | | 936 | 8734 | | 748 | 0376 | | 9624 | 859 | 25 |
| 36 | 628 | 9386 | | 924 | 8677 | | 784 | 0710 | 5.56 | 9290 | 842 | 24 |
| 37 | 655 | 9662 | 4.59 | 911 | 8619 | | 819 | 1043 | | 8957 | 825 | 23 |
| 38 | 681 | 9938 | | 899 | 8561 | | 854 | 1377 | | 8623 | 808 | 22 |
| 39 | 707 | 9.620213 | | 887 | 8503 | .97 | 889 | 1710 | 5.55 | 8290 | 792 | 21 |
| 40 | 41734 | 9.620448 | 4.58 | 90875 | 9.958445 | .97 | 45924 | 9.662043 | 5.55 | 0.337957 | 2.1775 | 20 |
| 41 | 760 | 0763 | | 863 | 8387 | | 960 | 2376 | | 7624 | 758 | 19 |
| 42 | 787 | 1038 | 4.57 | 851 | 8329 | | 995 | 2709 | 5.54 | 7291 | 742 | 18 |
| 43 | 813 | 1313 | | 839 | 8271 | | 46030 | 3042 | | 6958 | 725 | 17 |
| 44 | 840 | 1587 | | 826 | 8213 | | 065 | 3375 | | 6625 | 708 | 16 |
| 45 | 866 | 1861 | 4.56 | 814 | 8154 | | 101 | 3707 | | 6293 | 692 | 15 |
| 46 | 892 | 2135 | | 802 | 8096 | | 136 | 4039 | 5.53 | 5961 | 675 | 14 |
| 47 | 919 | 2409 | | 790 | 8038 | | 171 | 4371 | | 5629 | 659 | 13 |
| 48 | 945 | 2682 | 4.55 | 778 | 7979 | | 206 | 4703 | | 5297 | 642 | 12 |
| 49 | 972 | 2956 | | 766 | 7921 | | 242 | 5035 | | 4965 | 625 | 11 |
| 50 | 41998 | 9.623229 | 4.55 | 90753 | 9.957863 | .97 | 46277 | 9.665366 | 5.52 | 0.334634 | 2.1609 | 10 |
| 51 | 42024 | 3502 | 4.54 | 741 | 7804 | | 312 | 5698 | | 4302 | 592 | 9 |
| 52 | 051 | 3774 | | 729 | 7746 | .98 | 348 | 6029 | | 3971 | 576 | 8 |
| 53 | 077 | 4047 | | 717 | 7687 | | 383 | 6360 | 5.51 | 3640 | 560 | 7 |
| 54 | 104 | 4319 | 4.53 | 704 | 7628 | | 418 | 6691 | | 3309 | 543 | 6 |
| 55 | 130 | 4591 | | 692 | 7570 | | 454 | 7021 | | 2979 | 527 | 5 |
| 56 | 156 | 4863 | | 680 | 7511 | | 489 | 7352 | | 2648 | 510 | 4 |
| 57 | 183 | 5135 | 4.52 | 668 | 7452 | | 525 | 7682 | 5.50 | 2318 | 494 | 3 |
| 58 | 209 | 5406 | | 655 | 7393 | | 560 | 8013 | | 1987 | 478 | 2 |
| 59 | 235 | 5677 | | 643 | 7335 | | 595 | 8343 | | 1657 | 461 | 1 |
| 60 | 42262 | 9.625948 | | 90631 | 9.957276 | | 46631 | 9.668673 | | 0.331327 | 2.1445 | 0 |
| 114° | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Log. | Nat. | 65° |
| | Cosines. | | | Sines. | | | Cotangents. | | | Tangents. | | |

| 25° | Sines. | | | Cosines. | | | Tangents. | | | Cotangents. | | 154° |
|------|----------|----------|------|----------|----------|------|-------------|----------|------|-------------|--------|------|
| | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Log. | Nat. | |
| 0' | 42262 | 9.025948 | 4.51 | 90631 | 9.957276 | .98 | 46631 | 9.068673 | 5.50 | 0.331327 | 2.1445 | 60' |
| 1 | 288 | 6219 | | 618 | 7217 | | 666 | 9002 | 5.49 | 0.998 | 429 | 59 |
| 2 | 315 | 6490 | | 606 | 7158 | | 702 | 9332 | | 0.068 | 413 | 58 |
| 3 | 341 | 6760 | 4.50 | 594 | 7099 | | 737 | 9661 | | 0.039 | 396 | 57 |
| 4 | 367 | 7030 | | 582 | 7040 | | 773 | 9991 | 5.48 | 0.009 | 380 | 56 |
| 5 | 394 | 7300 | | 569 | 6981 | | 808 | 9.670320 | | 0.320680 | 364 | 55 |
| 6 | 420 | 7570 | 4.49 | 557 | 6921 | .99 | 843 | 0649 | | 9351 | 348 | 54 |
| 7 | 446 | 7840 | | 545 | 6862 | | 879 | 0977 | | 9023 | 332 | 53 |
| 8 | 473 | 8109 | | 532 | 6803 | | 914 | 1306 | 5.47 | 8694 | 315 | 52 |
| 9 | 499 | 8378 | 4.48 | 520 | 6744 | | 950 | 1635 | | 8365 | 299 | 51 |
| 10 | 42525 | 9.028647 | 4.48 | 90507 | 9.956684 | .99 | 46985 | 9.671963 | 5.47 | 0.328037 | 2.1283 | 50 |
| 11 | 552 | 8916 | 4.47 | 495 | 6625 | | 47021 | 2291 | | 7709 | 267 | 49 |
| 12 | 578 | 9185 | | 483 | 6566 | | 056 | 2619 | 5.46 | 7381 | 251 | 48 |
| 13 | 604 | 9453 | | 470 | 6506 | | 092 | 2947 | | 7053 | 235 | 47 |
| 14 | 631 | 9721 | 4.46 | 458 | 6447 | | 128 | 3274 | | 6726 | 219 | 46 |
| 15 | 657 | 9989 | | 446 | 6387 | | 163 | 3602 | | 6398 | 203 | 45 |
| 16 | 683 | 9.630257 | | 433 | 6327 | | 199 | 3929 | 5.45 | 6071 | 187 | 44 |
| 17 | 709 | 0524 | | 421 | 6268 | | 234 | 4257 | | 5743 | 171 | 43 |
| 18 | 736 | 0792 | 4.45 | 408 | 6208 | 1.00 | 270 | 4584 | | 5416 | 155 | 42 |
| 19 | 762 | 1059 | | 396 | 6148 | | 305 | 4911 | 5.44 | 5089 | 139 | 41 |
| 20 | 42788 | 9.631326 | 4.45 | 90383 | 9.956089 | 1.00 | 47341 | 9.675237 | 5.44 | 0.324763 | 2.1123 | 40 |
| 21 | 815 | 1593 | 4.44 | 371 | 6029 | | 377 | 5564 | | 4436 | 107 | 39 |
| 22 | 841 | 1859 | | 358 | 5969 | | 412 | 5890 | | 4110 | 092 | 38 |
| 23 | 867 | 2125 | | 346 | 5909 | | 448 | 6217 | 5.43 | 3783 | 076 | 37 |
| 24 | 894 | 2392 | 4.43 | 334 | 5849 | | 483 | 6543 | | 3457 | 060 | 36 |
| 25 | 920 | 2658 | | 321 | 5789 | | 519 | 6869 | | 3131 | 044 | 35 |
| 26 | 946 | 2923 | | 309 | 5729 | | 555 | 7194 | | 2806 | 028 | 34 |
| 27 | 972 | 3189 | 4.42 | 296 | 5669 | | 590 | 7520 | 5.42 | 2480 | 013 | 33 |
| 28 | 999 | 3454 | | 284 | 5609 | | 626 | 7846 | | 2154 | 2.0997 | 32 |
| 29 | 43025 | 3719 | | 271 | 5548 | | 662 | 8171 | | 1829 | 981 | 31 |
| 30 | 43051 | 9.633984 | 4.41 | 90259 | 9.955488 | 1.00 | 47698 | 9.678496 | 5.42 | 0.321504 | 2.0965 | 30 |
| 31 | 077 | 4249 | | 246 | 5428 | 1.01 | 733 | 8821 | 5.41 | 1179 | 950 | 29 |
| 32 | 104 | 4514 | 4.40 | 233 | 5368 | | 769 | 9146 | | 0854 | 934 | 28 |
| 33 | 130 | 4778 | | 221 | 5307 | | 805 | 9471 | | 0529 | 918 | 27 |
| 34 | 156 | 5042 | | 208 | 5247 | | 841 | 9795 | | 0205 | 903 | 26 |
| 35 | 182 | 5306 | 4.39 | 196 | 5186 | | 876 | 9.680120 | 5.40 | 0.319880 | 887 | 25 |
| 36 | 209 | 5570 | | 183 | 5126 | | 912 | 0444 | | 9556 | 872 | 24 |
| 37 | 235 | 5834 | | 171 | 5065 | | 948 | 0768 | | 9232 | 856 | 23 |
| 38 | 261 | 6097 | 4.38 | 158 | 5005 | | 984 | 1092 | | 8908 | 840 | 22 |
| 39 | 287 | 6360 | | 146 | 4944 | | 48019 | 1416 | 5.39 | 8584 | 825 | 21 |
| 40 | 43313 | 9.636623 | 4.38 | 90133 | 9.954883 | 1.01 | 48055 | 9.681740 | 5.39 | 0.318260 | 2.0809 | 20 |
| 41 | 340 | 6886 | 4.37 | 120 | 4823 | | 091 | 2063 | | 7937 | 794 | 19 |
| 42 | 366 | 7148 | | 108 | 4762 | | 127 | 2387 | | 7613 | 778 | 18 |
| 43 | 392 | 7411 | | 095 | 4701 | | 163 | 2710 | 5.38 | 7290 | 763 | 17 |
| 44 | 418 | 7673 | | 082 | 4640 | | 198 | 3033 | | 6967 | 748 | 16 |
| 45 | 445 | 7935 | 4.36 | 070 | 4579 | | 234 | 3356 | | 6644 | 732 | 15 |
| 46 | 471 | 8197 | | 057 | 4518 | .02 | 270 | 3679 | | 6321 | 717 | 14 |
| 47 | 497 | 8458 | | 045 | 4457 | | 306 | 4001 | 5.37 | 5999 | 701 | 13 |
| 48 | 523 | 8720 | 4.35 | 032 | 4396 | | 342 | 4324 | | 5676 | 686 | 12 |
| 49 | 549 | 8981 | | 019 | 4335 | | 378 | 4646 | | 5354 | 671 | 11 |
| 50 | 43575 | 9.639242 | 4.35 | 90007 | 9.954274 | 1.02 | 48414 | 9.684968 | 5.37 | 0.315032 | 2.0655 | 10 |
| 51 | 602 | 9503 | 4.34 | 89994 | 4213 | | 450 | 5290 | 5.36 | 4710 | 640 | 9 |
| 52 | 628 | 9764 | | 981 | 4152 | | 486 | 5612 | | 4388 | 625 | 8 |
| 53 | 654 | 9.640024 | | 968 | 4090 | | 521 | 5934 | | 4066 | 609 | 7 |
| 54 | 680 | 0284 | 4.33 | 956 | 4029 | | 557 | 6255 | | 3745 | 594 | 6 |
| 55 | 706 | 0544 | | 943 | 3968 | | 593 | 6577 | 5.35 | 3423 | 579 | 5 |
| 56 | 733 | 0804 | | 930 | 3906 | | 629 | 6898 | | 3102 | 564 | 4 |
| 57 | 759 | 1064 | 4.32 | 918 | 3845 | | 665 | 7219 | | 2781 | 549 | 3 |
| 58 | 785 | 1324 | | 905 | 3783 | | 701 | 7540 | | 2460 | 533 | 2 |
| 59 | 811 | 1583 | | 892 | 3722 | 1.03 | 737 | 7861 | 5.34 | 2139 | 518 | 1 |
| 60 | 43837 | 9.641842 | | 89879 | 9.953660 | | 48773 | 9.688182 | | 0.311818 | 2.0503 | 0 |
| 115° | Cosines. | | | Sines. | | | Cotangents. | | | Tangents. | | 64° |
| | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Log. | Nat. | |

| 26° | Sines. | | | Cosines. | | | Tangents. | | | Cotangents. | | 153° |
|------|----------|----------|------|----------|----------|------|-------------|----------|------|-------------|--------|------|
| | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Log. | Nat. | |
| 0' | 43837 | 9.641842 | 4.31 | 89879 | 9.953600 | 1.03 | 48773 | 9.688182 | 5.34 | 0.311818 | 2.0503 | 60' |
| 1 | 863 | 2101 | | 867 | 3599 | | 809 | 8502 | | 1498 | 488 | 59 |
| 2 | 889 | 2360 | | 854 | 3537 | | 845 | 8823 | | 1177 | 473 | 58 |
| 3 | 916 | 2618 | 4.30 | 841 | 3475 | | 881 | 9143 | 5.33 | 0857 | 458 | 57 |
| 4 | 942 | 2877 | | 828 | 3413 | | 917 | 9463 | | 0537 | 443 | 56 |
| 5 | 968 | 3135 | | 816 | 3352 | | 953 | 9783 | | 0217 | 428 | 55 |
| 6 | 994 | 3393 | | 803 | 3290 | | 989 | 9.690103 | | 0.309897 | 413 | 54 |
| 7 | 44020 | 3650 | 4.29 | 790 | 3228 | | 49026 | 0423 | | 9577 | 398 | 53 |
| 8 | 046 | 3908 | | 777 | 3166 | | 062 | 0742 | 5.32 | 9258 | 383 | 52 |
| 9 | 072 | 4165 | | 764 | 3104 | | 098 | 1062 | | 8938 | 368 | 51 |
| 10 | 44098 | 9.644423 | 4.28 | 89752 | 9.953042 | 1.03 | 49134 | 9.691381 | 5.32 | 0.308619 | 2.0353 | 50 |
| 11 | 124 | 4680 | | 739 | 2980 | 1.04 | 170 | 1700 | 5.31 | 8300 | 338 | 49 |
| 12 | 151 | 4936 | | 726 | 2918 | | 206 | 2019 | | 7981 | 323 | 48 |
| 13 | 177 | 5193 | 4.27 | 713 | 2855 | | 242 | 2338 | | 7662 | 308 | 47 |
| 14 | 203 | 5450 | | 700 | 2793 | | 278 | 2656 | | 7344 | 293 | 46 |
| 15 | 229 | 5706 | | 687 | 2731 | | 315 | 2975 | | 7025 | 278 | 45 |
| 16 | 255 | 5962 | 4.26 | 674 | 2669 | | 351 | 3293 | 5.30 | 6707 | 263 | 44 |
| 17 | 281 | 6218 | | 662 | 2606 | | 387 | 3612 | | 6388 | 248 | 43 |
| 18 | 307 | 6474 | | 649 | 2544 | | 423 | 3930 | | 6070 | 233 | 42 |
| 19 | 333 | 6729 | 4.25 | 636 | 2481 | | 459 | 4248 | | 5752 | 219 | 41 |
| 20 | 44359 | 9.646984 | 4.25 | 89623 | 9.952419 | 1.04 | 49495 | 9.694566 | 5.29 | 0.305434 | 2.0204 | 40 |
| 21 | 385 | 7240 | | 610 | 2356 | | 532 | 4883 | | 5117 | 189 | 39 |
| 22 | 411 | 7494 | 4.24 | 597 | 2294 | | 568 | 5201 | | 4799 | 174 | 38 |
| 23 | 437 | 7749 | | 584 | 2231 | | 604 | 5518 | | 4482 | 160 | 37 |
| 24 | 464 | 8004 | | 571 | 2168 | 1.05 | 640 | 5836 | | 4164 | 145 | 36 |
| 25 | 490 | 8258 | | 558 | 2106 | | 677 | 6153 | 5.28 | 3847 | 130 | 35 |
| 26 | 516 | 8512 | 4.23 | 545 | 2043 | | 713 | 6470 | | 3530 | 115 | 34 |
| 27 | 542 | 8766 | | 532 | 1980 | | 749 | 6787 | | 3213 | 101 | 33 |
| 28 | 568 | 9020 | | 519 | 1917 | | 786 | 7103 | | 2897 | 086 | 32 |
| 29 | 594 | 9274 | 4.22 | 506 | 1854 | | 822 | 7420 | 5.27 | 2580 | 072 | 31 |
| 30 | 44620 | 9.649527 | 4.22 | 89493 | 9.951791 | 1.05 | 49858 | 9.697736 | 5.27 | 0.302264 | 2.0057 | 30 |
| 31 | 646 | 9781 | | 480 | 1728 | | 894 | 8053 | | 1947 | 042 | 29 |
| 32 | 672 | 9.650034 | | 467 | 1665 | | 931 | 8369 | | 1631 | 028 | 28 |
| 33 | 698 | 0287 | 4.21 | 454 | 1602 | | 967 | 8685 | | 1315 | 013 | 27 |
| 34 | 724 | 0539 | | 441 | 1539 | | 50004 | 9001 | 5.26 | 0999 | 1.9999 | 26 |
| 35 | 750 | 0792 | | 428 | 1476 | | 040 | 9316 | | 0684 | 984 | 25 |
| 36 | 776 | 1044 | 4.20 | 415 | 1412 | | 076 | 9632 | | 0368 | 970 | 24 |
| 37 | 802 | 1297 | | 402 | 1349 | 1.06 | 113 | 9947 | | 0053 | 955 | 23 |
| 38 | 828 | 1549 | | 389 | 1286 | | 149 | 9.700263 | 5.25 | 0.299737 | 941 | 22 |
| 39 | 854 | 1800 | 4.19 | 376 | 1222 | | 185 | 0578 | | 9422 | 926 | 21 |
| 40 | 44880 | 9.652052 | 4.19 | 89363 | 9.951159 | 1.06 | 50222 | 9.700893 | 5.25 | 0.299107 | 1.9912 | 20 |
| 41 | 906 | 2304 | | 350 | 1096 | | 258 | 1208 | 5.24 | 8792 | 897 | 19 |
| 42 | 932 | 2555 | 4.18 | 337 | 1032 | | 295 | 1523 | | 8477 | 883 | 18 |
| 43 | 958 | 2806 | | 324 | 0968 | | 331 | 1837 | | 8163 | 868 | 17 |
| 44 | 984 | 3057 | | 311 | 0905 | | 368 | 2152 | | 7848 | 854 | 16 |
| 45 | 45010 | 3308 | | 298 | 0841 | | 404 | 2466 | | 7534 | 840 | 15 |
| 46 | 036 | 3558 | 4.17 | 285 | 0778 | | 441 | 2781 | 5.23 | 7219 | 825 | 14 |
| 47 | 062 | 3808 | | 272 | 0714 | | 477 | 3095 | | 6905 | 811 | 13 |
| 48 | 088 | 4059 | | 259 | 0650 | | 514 | 3409 | | 6591 | 797 | 12 |
| 49 | 114 | 4309 | 4.16 | 245 | 0586 | | 550 | 3722 | | 6278 | 782 | 11 |
| 50 | 45140 | 9.654558 | 4.16 | 89232 | 9.950522 | 1.07 | 50587 | 9.704036 | 5.22 | 0.295964 | 1.9768 | 10 |
| 51 | 166 | 4808 | | 219 | 0458 | | 623 | 4350 | | 5650 | 754 | 9 |
| 52 | 192 | 5058 | 4.15 | 206 | 0394 | | 660 | 4663 | | 5337 | 740 | 8 |
| 53 | 218 | 5307 | | 193 | 0330 | | 696 | 4976 | | 5024 | 725 | 7 |
| 54 | 243 | 5556 | | 180 | 0266 | | 733 | 5290 | | 4710 | 711 | 6 |
| 55 | 269 | 5805 | | 167 | 0202 | | 769 | 5603 | 5.21 | 4397 | 697 | 5 |
| 56 | 295 | 6054 | 4.14 | 153 | 0138 | | 806 | 5916 | | 4084 | 683 | 4 |
| 57 | 321 | 6302 | | 140 | 0074 | | 843 | 6228 | | 3772 | 669 | 3 |
| 58 | 347 | 6551 | | 127 | 0010 | | 879 | 6541 | | 3459 | 654 | 2 |
| 59 | 373 | 6799 | 4.13 | 114 | 9.949945 | | 916 | 6854 | | 3146 | 640 | 1 |
| 60 | 45399 | 9.657047 | | 89101 | 9.949881 | | 50953 | 9.707166 | | 0.292834 | 1.9626 | 0 |
| 116° | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Log. | Nat. | 63° |
| | Cosines. | | | Sines. | | | Cotangents. | | | Tangents. | | |

| 27° | Sines. | | | Cosines. | | | Tangents. | | | Cotangents. | | 152° |
|------|----------|----------|------|----------|----------|------|-------------|----------|------|-------------|--------|------|
| | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Log. | Nat. | |
| 0' | 45399 | 9.657047 | 4.13 | 89101 | 9.949881 | 1.07 | 50953 | 9.707166 | 5.20 | 0.292834 | 1.9626 | 60' |
| 1 | 425 | 7295 | | 087 | 9816 | | 989 | 7478 | | 2522 | 612 | 59 |
| 2 | 451 | 7542 | 4.12 | 074 | 9752 | | 51026 | 7790 | | 2210 | 598 | 58 |
| 3 | 477 | 7790 | | 061 | 9688 | 1.08 | 063 | 8102 | | 1898 | 584 | 57 |
| 4 | 503 | 8037 | | 048 | 9623 | | 099 | 8414 | 5.19 | 1586 | 570 | 56 |
| 5 | 529 | 8284 | | 035 | 9558 | | 136 | 8726 | | 1274 | 556 | 55 |
| 6 | 554 | 8531 | 4.11 | 021 | 9494 | | 173 | 9037 | | 0963 | 542 | 54 |
| 7 | 580 | 8778 | | 008 | 9429 | | 209 | 9349 | | 0651 | 528 | 53 |
| 8 | 606 | 9025 | | 88995 | 9364 | | 246 | 9660 | | 0340 | 514 | 52 |
| 9 | 632 | 9271 | 4.10 | 981 | 9300 | | 283 | 9971 | 5.18 | 0029 | 500 | 51 |
| 10 | 45658 | 9.659517 | 4.10 | 88968 | 9.949235 | 1.08 | 51319 | 9.710282 | 5.18 | 0.289718 | 1.9486 | 50 |
| 11 | 684 | 9763 | | 955 | 9170 | | 356 | 0593 | | 9407 | 472 | 49 |
| 12 | 710 | 9.660009 | 4.09 | 942 | 9105 | | 393 | 0904 | | 9096 | 458 | 48 |
| 13 | 736 | 0255 | | 928 | 9040 | | 430 | 1215 | | 8785 | 444 | 47 |
| 14 | 762 | 0501 | | 915 | 8975 | | 467 | 1525 | 5.17 | 8475 | 430 | 46 |
| 15 | 787 | 0746 | | 902 | 8910 | | 503 | 1836 | | 8164 | 416 | 45 |
| 16 | 813 | 0991 | 4.08 | 888 | 8845 | | 540 | 2146 | | 7854 | 402 | 44 |
| 17 | 839 | 1236 | | 875 | 8780 | 1.09 | 577 | 2456 | | 7544 | 388 | 43 |
| 18 | 865 | 1481 | | 862 | 8715 | | 614 | 2766 | 5.16 | 7234 | 375 | 42 |
| 19 | 891 | 1726 | 4.07 | 848 | 8650 | | 651 | 3076 | | 6924 | 361 | 41 |
| 20 | 45917 | 9.661970 | 4.07 | 88835 | 9.948584 | 1.09 | 51688 | 9.713386 | 5.16 | 0.286614 | 1.9347 | 40 |
| 21 | 942 | 2214 | | 822 | 8519 | | 724 | 3696 | | 6304 | 333 | 39 |
| 22 | 968 | 2459 | | 808 | 8454 | | 761 | 4005 | | 5995 | 319 | 38 |
| 23 | 994 | 2703 | 4.06 | 795 | 8388 | | 798 | 4314 | 5.15 | 5686 | 306 | 37 |
| 24 | 46020 | 2946 | | 782 | 8323 | | 835 | 4624 | | 5376 | 292 | 36 |
| 25 | 046 | 3190 | | 768 | 8257 | | 872 | 4933 | | 5067 | 278 | 35 |
| 26 | 072 | 3433 | 4.05 | 755 | 8192 | | 909 | 5242 | | 4758 | 265 | 34 |
| 27 | 097 | 3677 | | 741 | 8126 | | 946 | 5551 | 5.14 | 4449 | 251 | 33 |
| 28 | 123 | 3920 | | 728 | 8060 | | 983 | 5860 | | 4140 | 237 | 32 |
| 29 | 149 | 4163 | | 715 | 7995 | 1.10 | 52020 | 6168 | | 3832 | 223 | 31 |
| 30 | 46175 | 9.664406 | 4.04 | 88701 | 9.947929 | 1.10 | 52057 | 9.716477 | 5.14 | 0.283523 | 1.9210 | 30 |
| 31 | 201 | 4648 | | 688 | 7863 | | 094 | 6785 | | 3215 | 196 | 29 |
| 32 | 226 | 4891 | | 674 | 7797 | | 131 | 7093 | 5.13 | 2907 | 183 | 28 |
| 33 | 252 | 5133 | 4.03 | 661 | 7731 | | 168 | 7401 | | 2599 | 169 | 27 |
| 34 | 278 | 5375 | | 647 | 7665 | | 205 | 7709 | | 2291 | 155 | 26 |
| 35 | 304 | 5617 | | 634 | 7600 | | 242 | 8017 | | 1983 | 142 | 25 |
| 36 | 330 | 5859 | 4.02 | 620 | 7533 | | 279 | 8325 | | 1675 | 128 | 24 |
| 37 | 355 | 6100 | | 607 | 7467 | | 316 | 8633 | 5.12 | 1367 | 115 | 23 |
| 38 | 381 | 6342 | | 593 | 7401 | | 353 | 8940 | | 1060 | 101 | 22 |
| 39 | 407 | 6583 | | 580 | 7335 | | 390 | 9248 | | 0752 | 088 | 21 |
| 40 | 46433 | 9.666824 | 4.01 | 88566 | 9.947269 | 1.10 | 52427 | 9.719555 | 5.12 | 0.280445 | 1.9074 | 20 |
| 41 | 458 | 7065 | | 553 | 7203 | | 464 | 9862 | | 0138 | 061 | 19 |
| 42 | 484 | 7305 | | 539 | 7136 | 1.11 | 501 | 9.720169 | 5.11 | 0.279831 | 047 | 18 |
| 43 | 510 | 7546 | | 526 | 7070 | | 538 | 0476 | | 9524 | 034 | 17 |
| 44 | 536 | 7786 | 4.00 | 512 | 7004 | | 575 | 0783 | | 9217 | 020 | 16 |
| 45 | 561 | 8027 | | 499 | 6937 | | 613 | 1089 | | 8911 | 007 | 15 |
| 46 | 587 | 8267 | | 485 | 6871 | | 650 | 1396 | | 8604 | 1.8993 | 14 |
| 47 | 613 | 8506 | 3.99 | 472 | 6804 | | 687 | 1702 | 5.10 | 8298 | 980 | 13 |
| 48 | 639 | 8746 | | 458 | 6738 | | 724 | 2009 | | 7991 | 967 | 12 |
| 49 | 644 | 8986 | | 445 | 6671 | | 761 | 2315 | | 7685 | 953 | 11 |
| 50 | 46690 | 9.669225 | 3.99 | 88431 | 9.946604 | 1.11 | 52798 | 9.722621 | 5.10 | 0.277379 | 1.8940 | 10 |
| 51 | 716 | 9464 | 3.98 | 417 | 6538 | | 836 | 2927 | | 7073 | 927 | 9 |
| 52 | 742 | 9703 | | 404 | 6471 | | 873 | 3232 | 5.09 | 6768 | 913 | 8 |
| 53 | 767 | 9942 | | 390 | 6404 | | 910 | 3538 | | 6462 | 900 | 7 |
| 54 | 793 | 9.670181 | 3.97 | 377 | 6337 | | 947 | 3844 | | 6156 | 887 | 6 |
| 55 | 819 | 0419 | | 363 | 6270 | 1.12 | 985 | 4149 | | 5851 | 873 | 5 |
| 56 | 844 | 0658 | | 349 | 6203 | | 53022 | 4454 | | 5546 | 860 | 4 |
| 57 | 870 | 0896 | | 336 | 6136 | | 059 | 4760 | 5.08 | 5240 | 847 | 3 |
| 58 | 896 | 1134 | 3.96 | 322 | 6069 | | 096 | 5065 | | 4935 | 834 | 2 |
| 59 | 921 | 1372 | | 308 | 6002 | | 134 | 5370 | | 4630 | 820 | 1 |
| 60 | 46947 | 9.671609 | | 88295 | 9.945935 | | 53171 | 9.725674 | | 0.274326 | 1.8807 | 0 |
| 117° | Cosines. | | | Sines. | | | Cotangents. | | | Tangents. | | 62° |

| 28° | Sines. | | | Cosines. | | | Tangents. | | | Cotangents. | | 151° |
|------|----------|----------|------|----------|----------|------|-------------|----------|------|-------------|--------|------|
| | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Log. | Nat. | |
| 0' | 46947 | 9.671609 | 3.96 | 88295 | 9.945035 | 1.12 | 53171 | 9.725674 | 5.08 | 0.274326 | 1.8807 | 60' |
| 1 | 973 | 1847 | 3.95 | 281 | 5868 | | 208 | 5979 | | 4021 | 794 | 59 |
| 2 | 999 | 2384 | | 267 | 5800 | | 246 | 6284 | 5.07 | 3716 | 781 | 58 |
| 3 | 47024 | 2321 | | 254 | 5733 | | 283 | 6588 | | 3412 | 768 | 57 |
| 4 | 050 | 2558 | | 240 | 5666 | | 320 | 6892 | | 3108 | 755 | 56 |
| 5 | 076 | 2795 | 3.94 | 226 | 5598 | | 358 | 7197 | | 2803 | 741 | 55 |
| 6 | 101 | 3032 | | 213 | 5531 | | 395 | 7501 | | 2499 | 728 | 54 |
| 7 | 127 | 3268 | | 199 | 5464 | 1.13 | 432 | 7805 | 5.06 | 2195 | 715 | 53 |
| 8 | 153 | 3505 | | 185 | 5396 | | 470 | 8109 | | 1891 | 702 | 52 |
| 9 | 178 | 3741 | 3.93 | 172 | 5328 | | 507 | 8412 | | 1588 | 689 | 51 |
| 10 | 47204 | 9.673977 | 3.93 | 88158 | 9.945261 | 1.13 | 53545 | 9.728716 | 5.06 | 0.271284 | 1.8676 | 50 |
| 11 | 229 | 4213 | | 144 | 5193 | | 582 | 9020 | | 0980 | 663 | 49 |
| 12 | 255 | 4448 | 3.92 | 130 | 5125 | | 620 | 9323 | 5.05 | 0677 | 650 | 48 |
| 13 | 281 | 4684 | | 117 | 5058 | | 657 | 9626 | | 0374 | 637 | 47 |
| 14 | 306 | 4919 | | 103 | 4990 | | 694 | 9929 | | 0071 | 624 | 46 |
| 15 | 332 | 5155 | | 089 | 4922 | | 732 | 9.730233 | | 0.269767 | 611 | 45 |
| 16 | 358 | 5390 | 3.91 | 075 | 4854 | | 769 | 0535 | | 9465 | 598 | 44 |
| 17 | 383 | 5624 | | 062 | 4786 | | 807 | 0838 | 5.04 | 9162 | 585 | 43 |
| 18 | 409 | 5859 | | 048 | 4718 | | 844 | 1141 | | 8859 | 572 | 42 |
| 19 | 434 | 6094 | | 034 | 4650 | | 882 | 1444 | | 8556 | 559 | 41 |
| 20 | 47460 | 9.676328 | 3.90 | 88020 | 9.944582 | 1.14 | 53920 | 9.731746 | 5.04 | 0.268254 | 1.8546 | 40 |
| 21 | 486 | 6562 | | 096 | 4514 | | 957 | 2048 | | 7952 | 533 | 39 |
| 22 | 511 | 6796 | | 87993 | 4446 | | 995 | 2351 | 5.03 | 7649 | 520 | 38 |
| 23 | 537 | 7030 | | 979 | 4377 | | 54032 | 2653 | | 7347 | 507 | 37 |
| 24 | 562 | 7264 | 3.89 | 965 | 4309 | | 070 | 2955 | | 7045 | 495 | 36 |
| 25 | 588 | 7498 | | 951 | 4241 | | 107 | 3257 | | 6743 | 482 | 35 |
| 26 | 614 | 7731 | | 937 | 4172 | | 145 | 3558 | | 6442 | 469 | 34 |
| 27 | 639 | 7964 | 3.88 | 923 | 4104 | | 183 | 3860 | 5.02 | 6140 | 456 | 33 |
| 28 | 665 | 8197 | | 909 | 4036 | | 220 | 4162 | | 5838 | 443 | 32 |
| 29 | 690 | 8430 | | 896 | 3967 | | 258 | 4463 | | 5537 | 430 | 31 |
| 30 | 47716 | 9.678663 | 3.88 | 87882 | 9.943899 | 1.14 | 54296 | 9.734764 | 5.02 | 0.265236 | 1.8418 | 30 |
| 31 | 741 | 8895 | 3.87 | 868 | 3830 | | 333 | 5066 | | 4934 | 405 | 29 |
| 32 | 767 | 9128 | | 854 | 3761 | | 371 | 5367 | | 4633 | 392 | 28 |
| 33 | 793 | 9360 | | 840 | 3693 | 1.15 | 409 | 5668 | 5.01 | 4332 | 379 | 27 |
| 34 | 818 | 9592 | | 826 | 3624 | | 446 | 5969 | | 4031 | 367 | 26 |
| 35 | 844 | 9824 | 3.86 | 812 | 3555 | | 484 | 6269 | | 3731 | 354 | 25 |
| 36 | 869 | 9.680056 | | 798 | 3486 | | 522 | 6570 | | 3430 | 341 | 24 |
| 37 | 895 | 0288 | | 784 | 3417 | | 560 | 6870 | | 3130 | 329 | 23 |
| 38 | 920 | 0519 | 3.85 | 770 | 3348 | | 597 | 7171 | 5.00 | 2829 | 316 | 22 |
| 39 | 946 | 0750 | | 756 | 3279 | | 635 | 7471 | | 2529 | 303 | 21 |
| 40 | 47971 | 9.680982 | 3.85 | 87743 | 9.943210 | 1.15 | 54673 | 9.737771 | 5.00 | 0.262229 | 1.8291 | 20 |
| 41 | 997 | 1213 | | 729 | 3141 | | 711 | 8071 | | 1929 | 278 | 19 |
| 42 | 48022 | 1443 | 3.84 | 715 | 3072 | | 748 | 8371 | | 1629 | 265 | 18 |
| 43 | 048 | 1674 | | 701 | 3003 | | 786 | 8671 | 4.99 | 1329 | 253 | 17 |
| 44 | 073 | 1905 | | 687 | 2934 | | 824 | 8971 | | 1029 | 240 | 16 |
| 45 | 099 | 2135 | | 673 | 2864 | | 862 | 9271 | | 0729 | 228 | 15 |
| 46 | 124 | 2365 | 3.83 | 659 | 2795 | 1.16 | 900 | 9570 | | 0430 | 215 | 14 |
| 47 | 150 | 2595 | | 645 | 2726 | | 938 | 9870 | | 0130 | 202 | 13 |
| 48 | 175 | 2825 | | 631 | 2656 | | 975 | 9.740169 | | 0.259831 | 190 | 12 |
| 49 | 201 | 3055 | 3.82 | 617 | 2587 | | 55013 | 0468 | 4.98 | 9532 | 177 | 11 |
| 50 | 48226 | 9.683284 | 3.82 | 87603 | 9.942517 | 1.16 | 55051 | 9.740767 | 4.98 | 0.259233 | 1.8165 | 10 |
| 51 | 252 | 3514 | | 589 | 2448 | | 089 | 1066 | | 8934 | 152 | 9 |
| 52 | 277 | 3743 | | 575 | 2378 | | 127 | 1365 | | 8635 | 140 | 8 |
| 53 | 303 | 3972 | | 561 | 2308 | | 165 | 1664 | | 8336 | 127 | 7 |
| 54 | 328 | 4201 | 3.81 | 546 | 2239 | | 203 | 1962 | 4.97 | 8038 | 115 | 6 |
| 55 | 354 | 4430 | | 532 | 2169 | | 241 | 2261 | | 7739 | 103 | 5 |
| 56 | 379 | 4658 | | 518 | 2099 | | 279 | 2559 | | 7441 | 090 | 4 |
| 57 | 405 | 4887 | 3.80 | 504 | 2029 | | 317 | 2858 | | 7142 | 078 | 3 |
| 58 | 430 | 5115 | | 490 | 1959 | | 355 | 3156 | | 6844 | 065 | 2 |
| 59 | 456 | 5343 | | 476 | 1889 | 1.17 | 393 | 3454 | | 6546 | 053 | 1 |
| 60 | 48481 | 9.685571 | | 87462 | 9.941819 | | 55431 | 9.743752 | | 0.256248 | 1.8040 | 0 |
| 118° | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Log. | Nat. | 61° |
| | Cosines. | | | Sines. | | | Cotangents. | | | Tangents. | | |

| 29° | Sines. | | | Cosines. | | | Tangents. | | | Cotangents. | | 150° |
|------|----------|----------|------|----------|----------|------|-------------|----------|------|-------------|--------|------|
| | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Log. | Nat. | |
| 0' | 48481 | 9.685571 | 3.80 | 87462 | 9.941819 | 1.17 | 55431 | 9.743752 | 4.96 | 0.256248 | 1.8040 | 60' |
| 1 | 506 | 5799 | 3.79 | 448 | 1749 | | 469 | 4050 | | 5950 | 028 | 59 |
| 2 | 532 | 6027 | | 434 | 1679 | | 507 | 4348 | | 5652 | 016 | 58 |
| 3 | 557 | 6254 | | 420 | 1609 | | 545 | 4645 | | 5355 | 003 | 57 |
| 4 | 583 | 6482 | | 406 | 1539 | | 583 | 4943 | | 5057 | 1.7991 | 56 |
| 5 | 608 | 6709 | 3.78 | 391 | 1469 | | 621 | 5240 | | 4760 | 979 | 55 |
| 6 | 634 | 6936 | | 377 | 1398 | | 659 | 5538 | 4.95 | 4462 | 966 | 54 |
| 7 | 659 | 7163 | | 363 | 1328 | | 697 | 5835 | | 4165 | 954 | 53 |
| 8 | 684 | 7389 | | 349 | 1258 | | 736 | 6132 | | 3868 | 942 | 52 |
| 9 | 710 | 7616 | 3.77 | 335 | 1187 | | 774 | 6429 | | 3571 | 930 | 51 |
| 10 | 48735 | 9.687843 | 3.77 | 87321 | 9.941117 | 1.17 | 55812 | 9.746726 | 4.95 | 0.253274 | 1.7917 | 50 |
| 11 | 761 | 8069 | | 306 | 1046 | 1.18 | 850 | 7023 | 4.94 | 2977 | 905 | 49 |
| 12 | 786 | 8295 | | 292 | 0975 | | 888 | 7319 | | 2681 | 893 | 48 |
| 13 | 811 | 8521 | 3.76 | 278 | 0905 | | 926 | 7616 | | 2384 | 881 | 47 |
| 14 | 837 | 8747 | | 264 | 0834 | | 964 | 7913 | | 2087 | 868 | 46 |
| 15 | 862 | 8972 | | 250 | 0763 | | 56003 | 8209 | | 1791 | 856 | 45 |
| 16 | 888 | 9198 | | 235 | 0693 | | 041 | 8505 | 4.93 | 1495 | 844 | 44 |
| 17 | 913 | 9423 | 3.75 | 221 | 0622 | | 079 | 8801 | | 1199 | 832 | 43 |
| 18 | 938 | 9648 | | 207 | 0551 | | 117 | 9097 | | 0903 | 820 | 42 |
| 19 | 964 | 9873 | | 193 | 0480 | | 156 | 9393 | | 0607 | 808 | 41 |
| 20 | 48989 | 9.690098 | 3.75 | 87178 | 9.940409 | 1.18 | 56194 | 9.749689 | 4.93 | 0.250311 | 1.7796 | 40 |
| 21 | 49014 | 0323 | 3.74 | 164 | 0338 | | 232 | 9985 | | 0015 | 783 | 39 |
| 22 | 040 | 0548 | | 150 | 0267 | | 270 | 9.750281 | 4.92 | 0.249719 | 771 | 38 |
| 23 | 065 | 0772 | | 136 | 0196 | | 309 | 0576 | | 9424 | 759 | 37 |
| 24 | 090 | 0996 | 3.73 | 121 | 0125 | 1.19 | 347 | 0872 | | 9128 | 747 | 36 |
| 25 | 116 | 1220 | | 107 | 0054 | | 385 | 1167 | | 8833 | 735 | 35 |
| 26 | 141 | 1444 | | 093 | 9.939982 | | 424 | 1462 | | 8538 | 723 | 34 |
| 27 | 166 | 1668 | | 079 | 9911 | | 462 | 1757 | | 8243 | 711 | 33 |
| 28 | 192 | 1892 | 3.72 | 064 | 9840 | | 500 | 2052 | 4.91 | 7948 | 699 | 32 |
| 29 | 217 | 2115 | | 050 | 9768 | | 539 | 2347 | | 7653 | 687 | 31 |
| 30 | 49242 | 9.692339 | 3.72 | 87036 | 9.939697 | 1.19 | 56577 | 9.752642 | 4.91 | 0.247358 | 1.7675 | 30 |
| 31 | 268 | 2562 | | 021 | 9625 | | 616 | 2937 | | 7063 | 663 | 29 |
| 32 | 293 | 2785 | 3.71 | 007 | 9554 | | 654 | 3231 | | 6769 | 651 | 28 |
| 33 | 318 | 3008 | | 86993 | 9482 | | 693 | 3526 | | 6474 | 639 | 27 |
| 34 | 344 | 3231 | | 978 | 9410 | | 731 | 3820 | 4.90 | 6180 | 627 | 26 |
| 35 | 369 | 3453 | | 964 | 9339 | | 769 | 4115 | | 5885 | 615 | 25 |
| 36 | 394 | 3676 | 3.70 | 949 | 9267 | 1.20 | 808 | 4409 | | 5591 | 603 | 24 |
| 37 | 419 | 3898 | | 935 | 9195 | | 846 | 4703 | | 5297 | 591 | 23 |
| 38 | 445 | 4120 | | 921 | 9123 | | 885 | 4997 | | 5003 | 579 | 22 |
| 39 | 470 | 4342 | | 906 | 9052 | | 923 | 5291 | | 4709 | 567 | 21 |
| 40 | 49495 | 9.694564 | 3.69 | 86892 | 9.938980 | 1.20 | 56962 | 9.755585 | 4.89 | 0.244415 | 1.7556 | 20 |
| 41 | 521 | 4786 | | 878 | 8908 | | 57000 | 5878 | | 4122 | 544 | 19 |
| 42 | 546 | 5007 | | 863 | 8836 | | 039 | 6172 | | 3828 | 532 | 18 |
| 43 | 571 | 5229 | | 849 | 8763 | | 078 | 6465 | | 3535 | 520 | 17 |
| 44 | 596 | 5450 | 3.68 | 834 | 8691 | | 116 | 6759 | | 3241 | 508 | 16 |
| 45 | 622 | 5671 | | 820 | 8619 | | 155 | 7052 | | 2948 | 496 | 15 |
| 46 | 647 | 5892 | | 805 | 8547 | | 193 | 7345 | 4.88 | 2655 | 485 | 14 |
| 47 | 672 | 6113 | | 791 | 8475 | | 232 | 7638 | | 2362 | 473 | 13 |
| 48 | 697 | 6334 | 3.67 | 777 | 8402 | 1.21 | 271 | 7931 | | 2069 | 461 | 12 |
| 49 | 723 | 6554 | | 762 | 8330 | | 309 | 8224 | | 1776 | 449 | 11 |
| 50 | 49748 | 9.696775 | 3.67 | 86748 | 9.938258 | 1.21 | 57348 | 9.758517 | 4.88 | 0.241483 | 1.7437 | 10 |
| 51 | 773 | 6995 | | 733 | 8185 | | 386 | 8810 | | 1190 | 426 | 9 |
| 52 | 798 | 7215 | 3.66 | 719 | 8113 | | 425 | 9102 | 4.87 | 0898 | 414 | 8 |
| 53 | 824 | 7435 | | 704 | 8040 | | 464 | 9395 | | 0605 | 402 | 7 |
| 54 | 849 | 7654 | | 690 | 7967 | | 503 | 9687 | | 0313 | 391 | 6 |
| 55 | 874 | 7874 | | 675 | 7895 | | 541 | 9979 | | 0021 | 379 | 5 |
| 56 | 899 | 8094 | 3.65 | 661 | 7822 | | 580 | 9.760272 | | 0.239728 | 367 | 4 |
| 57 | 924 | 8313 | | 646 | 7749 | | 619 | 0564 | | 9436 | 355 | 3 |
| 58 | 950 | 8532 | | 632 | 7676 | | 657 | 0856 | 4.86 | 9144 | 344 | 2 |
| 59 | 975 | 8751 | | 617 | 7604 | | 696 | 1148 | | 8852 | 332 | 1 |
| 60 | 50000 | 9.698970 | | 86603 | 9.937531 | | 57735 | 9.761439 | | 0.238561 | 1.7321 | 0 |
| 119° | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Log. | Nat. | 60° |
| | Cosines. | | | Sines. | | | Cotangents. | | | Tangents. | | |

| 30° | Sines. | | | Cosines. | | | Tangents. | | | Cotangents. | | 149° |
|------|----------|----------|------|----------|----------|------|-------------|----------|------|-------------|--------|------|
| | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Log. | Nat. | |
| 0' | 50000 | 9.698970 | 3.64 | 86603 | 9.937531 | 1.21 | 57735 | 9.761439 | 4.86 | 0.238561 | 1.7321 | 60' |
| 1 | 025 | 9189 | | 588 | 7458 | 1.22 | 774 | 1731 | | 8269 | 309 | 59 |
| 2 | 050 | 9407 | | 573 | 7385 | | 813 | 2023 | | 7977 | 297 | 58 |
| 3 | 076 | 9626 | | 559 | 7312 | | 851 | 2314 | | 7686 | 286 | 57 |
| 4 | 101 | 9844 | 3.63 | 544 | 7238 | | 890 | 2606 | 4.85 | 7394 | 274 | 56 |
| 5 | 126 | 9700062 | | 530 | 7165 | | 929 | 2897 | | 7103 | 262 | 55 |
| 6 | 151 | 0280 | | 515 | 7092 | | 968 | 3188 | | 6812 | 251 | 54 |
| 7 | 176 | 0498 | | 501 | 7019 | | 58007 | 3479 | | 6521 | 239 | 53 |
| 8 | 201 | 0716 | | 486 | 6946 | | 046 | 3770 | | 6230 | 228 | 52 |
| 9 | 227 | 0933 | 3.62 | 471 | 6872 | | 085 | 4061 | | 5939 | 216 | 51 |
| 10 | 50252 | 9.701151 | 3.62 | 86457 | 9.936799 | 1.22 | 58124 | 9.764352 | 4.84 | 0.235648 | 1.7205 | 50 |
| 11 | 277 | 1368 | | 442 | 6725 | | 162 | 4643 | | 5357 | 193 | 49 |
| 12 | 302 | 1585 | | 428 | 6652 | 1.23 | 201 | 4933 | | 5067 | 182 | 48 |
| 13 | 327 | 1802 | 3.61 | 413 | 6578 | | 240 | 5224 | | 4776 | 170 | 47 |
| 14 | 352 | 2019 | | 398 | 6505 | | 279 | 5514 | | 4486 | 159 | 46 |
| 15 | 377 | 2236 | | 384 | 6431 | | 318 | 5805 | | 4195 | 147 | 45 |
| 16 | 403 | 2452 | | 369 | 6357 | | 357 | 6095 | | 3905 | 136 | 44 |
| 17 | 428 | 2669 | 3.60 | 354 | 6284 | | 396 | 6385 | 4.83 | 3615 | 124 | 43 |
| 18 | 453 | 2885 | | 340 | 6210 | | 435 | 6675 | | 3325 | 113 | 42 |
| 19 | 478 | 3101 | | 325 | 6136 | | 474 | 6965 | | 3035 | 102 | 41 |
| 20 | 50503 | 9.703317 | 3.60 | 86310 | 9.936062 | 1.23 | 58513 | 9.767255 | 4.83 | 0.232745 | 1.7090 | 40 |
| 21 | 528 | 3533 | 3.59 | 295 | 5988 | | 552 | 7545 | | 2455 | 079 | 39 |
| 22 | 553 | 3749 | | 281 | 5914 | | 591 | 7834 | | 2166 | 067 | 38 |
| 23 | 578 | 3964 | | 266 | 5840 | | 631 | 8124 | 4.82 | 1876 | 056 | 37 |
| 24 | 603 | 4179 | | 251 | 5766 | 1.24 | 670 | 8414 | | 1586 | 045 | 36 |
| 25 | 628 | 4395 | | 237 | 5692 | | 709 | 8703 | | 1297 | 033 | 35 |
| 26 | 654 | 4610 | 3.58 | 222 | 5618 | | 748 | 8992 | | 1008 | 022 | 34 |
| 27 | 679 | 4825 | | 207 | 5543 | | 787 | 9281 | | 0719 | 011 | 33 |
| 28 | 704 | 5040 | | 192 | 5469 | | 826 | 9571 | | 0429 | 1.6999 | 32 |
| 29 | 729 | 5254 | | 178 | 5395 | | 865 | 9860 | 4.81 | 0140 | 988 | 31 |
| 30 | 50754 | 9.705469 | 3.57 | 86163 | 9.935320 | 1.24 | 58905 | 9.770148 | 4.81 | 0.229852 | 1.6977 | 30 |
| 31 | 779 | 5683 | | 148 | 5246 | | 944 | 0437 | | 9563 | 965 | 29 |
| 32 | 804 | 5898 | | 133 | 5171 | | 983 | 0726 | | 9274 | 954 | 28 |
| 33 | 829 | 6112 | | 119 | 5097 | | 59022 | 1015 | | 8985 | 943 | 27 |
| 34 | 854 | 6326 | 3.56 | 104 | 5022 | | 061 | 1303 | | 8697 | 932 | 26 |
| 35 | 879 | 6539 | | 089 | 4948 | | 101 | 1592 | | 8408 | 920 | 25 |
| 36 | 904 | 6753 | | 074 | 4873 | | 140 | 1880 | 4.80 | 8120 | 909 | 24 |
| 37 | 929 | 6967 | | 059 | 4798 | 1.25 | 179 | 2168 | | 7832 | 898 | 23 |
| 38 | 954 | 7180 | 3.55 | 045 | 4723 | | 218 | 2457 | | 7543 | 887 | 22 |
| 39 | 979 | 7393 | | 030 | 4649 | | 258 | 2745 | | 7255 | 875 | 21 |
| 40 | 51004 | 9.707606 | 3.55 | 86015 | 9.934574 | 1.25 | 59297 | 9.773033 | 4.80 | 0.226967 | 1.6864 | 20 |
| 41 | 029 | 7819 | | 000 | 4499 | | 336 | 3321 | | 6679 | 853 | 19 |
| 42 | 054 | 8032 | 3.54 | 85985 | 4424 | | 376 | 3608 | 4.79 | 6392 | 842 | 18 |
| 43 | 079 | 8245 | | 970 | 4349 | | 415 | 3896 | | 6104 | 831 | 17 |
| 44 | 104 | 8458 | | 956 | 4274 | | 454 | 4184 | | 5816 | 820 | 16 |
| 45 | 129 | 8670 | | 941 | 4199 | | 494 | 4471 | | 5529 | 808 | 15 |
| 46 | 154 | 8882 | 3.53 | 926 | 4123 | | 533 | 4759 | | 5241 | 797 | 14 |
| 47 | 179 | 9094 | | 911 | 4048 | | 573 | 5046 | | 4954 | 786 | 13 |
| 48 | 204 | 9306 | | 896 | 3973 | | 612 | 5333 | | 4667 | 775 | 12 |
| 49 | 229 | 9518 | | 881 | 3898 | 1.26 | 651 | 5621 | 4.78 | 4379 | 764 | 11 |
| 50 | 51254 | 9.709730 | 3.53 | 85866 | 9.933822 | 1.26 | 59691 | 9.775908 | 4.78 | 0.224092 | 1.6753 | 10 |
| 51 | 279 | 9941 | 3.52 | 851 | 3747 | | 730 | 6195 | | 3805 | 742 | 9 |
| 52 | 304 | 9710153 | | 836 | 3671 | | 770 | 6482 | | 3518 | 731 | 8 |
| 53 | 329 | 0364 | | 821 | 3596 | | 809 | 6768 | | 3232 | 720 | 7 |
| 54 | 354 | 0575 | | 806 | 3520 | | 849 | 7055 | | 2945 | 709 | 6 |
| 55 | 379 | 0786 | 3.51 | 792 | 3445 | | 888 | 7342 | | 2658 | 698 | 5 |
| 56 | 404 | 0997 | | 777 | 3369 | | 928 | 7628 | 4.77 | 2372 | 687 | 4 |
| 57 | 429 | 1208 | | 762 | 3293 | | 967 | 7915 | | 2085 | 676 | 3 |
| 58 | 454 | 1419 | | 747 | 3217 | | 60007 | 8201 | | 1799 | 665 | 2 |
| 59 | 479 | 1629 | 3.50 | 732 | 3141 | | 046 | 8488 | | 1512 | 654 | 1 |
| 60 | 51504 | 9.711839 | | 85717 | 9.933066 | | 60086 | 9.778774 | | 0.221226 | 1.6643 | 0 |
| 120° | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Log. | Nat. | 59° |
| | Cosines. | | | Sines. | | | Cotangents. | | | Tangents. | | |

| 31° | Sines. | | | Cosines. | | | Tangents. | | | Cotangents. | | 148° |
|------|----------|----------|------|----------|----------|------|-------------|----------|------|-------------|--------|------|
| | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Log. | Nat. | |
| 0' | 51504 | 9.711839 | 3.50 | 85717 | 9.933066 | 1.26 | 60086 | 9.778774 | 4.77 | 0.221226 | 1.6643 | 60' |
| 1 | 529 | 2050 | | 702 | 2990 | 1.27 | 126 | 9060 | | 0940 | 632 | 59 |
| 2 | 554 | 2260 | | 687 | 2914 | | 165 | 9246 | 4.76 | 0654 | 621 | 58 |
| 3 | 579 | 2469 | 3.49 | 672 | 2838 | | 205 | 9632 | | 0368 | 610 | 57 |
| 4 | 604 | 2679 | | 657 | 2762 | | 245 | 9918 | | 0082 | 599 | 56 |
| 5 | 628 | 2889 | | 642 | 2685 | | 284 | 9.780203 | | 0.219797 | 588 | 55 |
| 6 | 653 | 3098 | | 627 | 2609 | | 324 | 0489 | | 9511 | 577 | 54 |
| 7 | 678 | 3308 | | 612 | 2533 | | 364 | 0775 | | 9225 | 566 | 53 |
| 8 | 703 | 3517 | 3.48 | 597 | 2457 | | 403 | 1060 | | 8940 | 555 | 52 |
| 9 | 728 | 3726 | | 582 | 2380 | | 443 | 1346 | 4.75 | 8654 | 545 | 51 |
| 10 | 51753 | 9.713935 | 3.48 | 85567 | 9.932304 | 1.27 | 60483 | 9.781631 | 4.75 | 0.218369 | 1.6534 | 50 |
| 11 | 778 | 4144 | | 551 | 2228 | | 522 | 1916 | | 8084 | 523 | 49 |
| 12 | 803 | 4352 | 3.47 | 536 | 2151 | | 562 | 2201 | | 7799 | 512 | 48 |
| 13 | 828 | 4561 | | 521 | 2075 | 1.28 | 602 | 2486 | | 7514 | 501 | 47 |
| 14 | 852 | 4769 | | 506 | 1998 | | 642 | 2771 | | 7229 | 490 | 46 |
| 15 | 877 | 4978 | | 491 | 1921 | | 681 | 3056 | | 6944 | 479 | 45 |
| 16 | 902 | 5186 | | 476 | 1845 | | 721 | 3341 | | 6659 | 469 | 44 |
| 17 | 927 | 5394 | 3.46 | 461 | 1768 | | 761 | 3626 | 4.74 | 6374 | 458 | 43 |
| 18 | 952 | 5602 | | 446 | 1691 | | 801 | 3910 | | 6090 | 447 | 42 |
| 19 | 977 | 5809 | | 431 | 1614 | | 841 | 4195 | | 5805 | 436 | 41 |
| 20 | 52002 | 9.716017 | 3.46 | 85416 | 9.931537 | 1.28 | 60881 | 9.784479 | 4.74 | 0.215521 | 1.6426 | 40 |
| 21 | 026 | 6224 | 3.45 | 401 | 1460 | | 921 | 4764 | | 5236 | 415 | 39 |
| 22 | 051 | 6432 | | 385 | 1383 | | 960 | 5048 | | 4952 | 404 | 38 |
| 23 | 076 | 6639 | | 370 | 1306 | | 61060 | 5332 | 4.73 | 4668 | 393 | 37 |
| 24 | 101 | 6846 | | 355 | 1229 | 1.29 | 040 | 5616 | | 4384 | 383 | 36 |
| 25 | 126 | 7053 | | 340 | 1152 | | 680 | 5900 | | 4100 | 372 | 35 |
| 26 | 151 | 7259 | 3.44 | 325 | 1075 | | 120 | 6184 | | 3816 | 361 | 34 |
| 27 | 175 | 7466 | | 310 | 0998 | | 160 | 6468 | | 3532 | 351 | 33 |
| 28 | 200 | 7673 | | 294 | 0921 | | 200 | 6752 | | 3248 | 340 | 32 |
| 29 | 225 | 7879 | | 279 | 0843 | | 240 | 7036 | | 2964 | 329 | 31 |
| 30 | 52250 | 9.718085 | 3.43 | 85264 | 9.930766 | 1.29 | 61280 | 9.787319 | 4.72 | 0.212681 | 1.6319 | 30 |
| 31 | 275 | 8201 | | 249 | 0688 | | 320 | 7603 | | 2397 | 308 | 29 |
| 32 | 299 | 8497 | | 234 | 0611 | | 360 | 7886 | | 2114 | 297 | 28 |
| 33 | 324 | 8703 | | 218 | 0533 | | 400 | 8170 | | 1830 | 287 | 27 |
| 34 | 349 | 8909 | | 203 | 0456 | | 440 | 8453 | | 1547 | 276 | 26 |
| 35 | 374 | 9114 | 3.42 | 188 | 0378 | | 480 | 8736 | | 1264 | 265 | 25 |
| 36 | 399 | 9320 | | 173 | 0300 | 1.30 | 520 | 9019 | | 0981 | 255 | 24 |
| 37 | 423 | 9525 | | 157 | 0223 | | 561 | 9302 | 4.71 | 0698 | 244 | 23 |
| 38 | 448 | 9730 | | 142 | 0145 | | 601 | 9585 | | 0415 | 234 | 22 |
| 39 | 473 | 9935 | | 127 | 0067 | | 641 | 9868 | | 0132 | 223 | 21 |
| 40 | 52498 | 9.720140 | 3.41 | 85112 | 9.929989 | 1.30 | 61681 | 9.790151 | 4.71 | 0.209849 | 1.6212 | 20 |
| 41 | 522 | 0345 | | 096 | 9911 | | 721 | 0434 | | 9566 | 202 | 19 |
| 42 | 547 | 0549 | | 081 | 9833 | | 761 | 0716 | | 9284 | 191 | 18 |
| 43 | 572 | 0754 | 3.40 | 066 | 9755 | | 801 | 0999 | | 9001 | 181 | 17 |
| 44 | 597 | 0958 | | 051 | 9677 | | 842 | 1281 | | 8719 | 170 | 16 |
| 45 | 621 | 1162 | | 035 | 9599 | | 882 | 1563 | 4.70 | 8437 | 160 | 15 |
| 46 | 646 | 1366 | | 020 | 9521 | | 922 | 1846 | | 8154 | 149 | 14 |
| 47 | 671 | 1570 | | 005 | 9442 | | 962 | 2128 | | 7872 | 139 | 13 |
| 48 | 696 | 1774 | 3.39 | 84989 | 9364 | 1.31 | 62003 | 2410 | | 7590 | 128 | 12 |
| 49 | 720 | 1978 | | 974 | 9286 | | 043 | 2692 | | 7308 | 118 | 11 |
| 50 | 52745 | 9.722181 | 3.39 | 84959 | 9.929207 | 1.31 | 62083 | 9.792974 | 4.70 | 0.207026 | 1.6107 | 10 |
| 51 | 770 | 2385 | | 943 | 9129 | | 124 | 3256 | | 6744 | 097 | 9 |
| 52 | 794 | 2588 | | 928 | 9050 | | 164 | 3538 | 4.69 | 6462 | 087 | 8 |
| 53 | 819 | 2791 | 3.38 | 913 | 8972 | | 204 | 3819 | | 6181 | 076 | 7 |
| 54 | 844 | 2994 | | 897 | 8893 | | 245 | 4101 | | 5899 | 066 | 6 |
| 55 | 869 | 3197 | | 882 | 8815 | | 285 | 4383 | | 5617 | 055 | 5 |
| 56 | 893 | 3400 | | 866 | 8736 | | 325 | 4664 | | 5336 | 045 | 4 |
| 57 | 918 | 3603 | 3.37 | 851 | 8657 | | 366 | 4946 | | 5054 | 034 | 3 |
| 58 | 943 | 3805 | | 836 | 8578 | | 406 | 5227 | | 4773 | 024 | 2 |
| 59 | 967 | 4007 | | 820 | 8499 | | 446 | 5508 | 4.68 | 4492 | 014 | 1 |
| 60 | 52992 | 9.724210 | | 84805 | 9.928420 | | 62487 | 9.795789 | | 0.204211 | 1.6003 | 0 |
| 121° | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Log. | Nat. | 58° |
| | Cosines. | | | Sines. | | | Cotangents. | | | Tangents. | | |

| 32° | Sines. | | | Cosines. | | | Tangents. | | | Cotangents. | | 147° |
|------|----------|----------|------|----------|----------|------|-------------|----------|------|-------------|--------|------|
| | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Log. | Nat. | |
| 0' | 52992 | 9.724210 | 3.37 | 84805 | 9.928420 | 1.32 | 62487 | 9.795789 | 4.68 | 0.204211 | 1.6003 | 60' |
| 1 | 53017 | 4412 | | 789 | 8342 | | 527 | 6070 | | 3930 | 1.5993 | 59 |
| 2 | 041 | 4614 | 3.36 | 774 | 8263 | | 568 | 6351 | | 3649 | 983 | 58 |
| 3 | 066 | 4816 | | 759 | 8183 | | 608 | 6632 | | 3368 | 972 | 57 |
| 4 | 091 | 5017 | | 743 | 8104 | | 649 | 6913 | | 3087 | 962 | 56 |
| 5 | 115 | 5219 | | 728 | 8025 | | 689 | 7194 | | 2806 | 952 | 55 |
| 6 | 140 | 5420 | 3.35 | 712 | 7946 | | 730 | 7474 | | 2526 | 941 | 54 |
| 7 | 164 | 5622 | | 697 | 7867 | | 770 | 7755 | | 2245 | 931 | 53 |
| 8 | 189 | 5823 | | 681 | 7787 | | 811 | 8036 | 4.67 | 1964 | 921 | 52 |
| 9 | 214 | 6024 | | 666 | 7708 | | 852 | 8316 | | 1684 | 911 | 51 |
| 10 | 53238 | 9.726225 | 3.35 | 84650 | 9.927629 | 1.32 | 62892 | 9.798596 | 4.67 | 0.201404 | 1.5990 | 50 |
| 11 | 263 | 6426 | 3.34 | 635 | 7549 | | 933 | 8877 | | 1123 | 890 | 49 |
| 12 | 288 | 6626 | | 619 | 7470 | 1.33 | 973 | 9157 | | 0843 | 880 | 48 |
| 13 | 312 | 6827 | | 604 | 7390 | | 63014 | 9437 | | 0563 | 869 | 47 |
| 14 | 337 | 7027 | | 588 | 7310 | | 055 | 9717 | | 0283 | 859 | 46 |
| 15 | 361 | 7228 | | 573 | 7231 | | 095 | 9997 | 4.66 | 0003 | 849 | 45 |
| 16 | 386 | 7428 | 3.33 | 557 | 7151 | | 136 | 9.800277 | | 0.199723 | 839 | 44 |
| 17 | 411 | 7628 | | 542 | 7071 | | 177 | 0557 | | 9443 | 829 | 43 |
| 18 | 435 | 7828 | | 526 | 6991 | | 217 | 0836 | | 9164 | 818 | 42 |
| 19 | 460 | 8027 | | 511 | 6911 | | 258 | 1116 | | 8884 | 808 | 41 |
| 20 | 53484 | 9.728227 | 3.33 | 84495 | 9.926831 | 1.33 | 63299 | 9.801396 | 4.66 | 0.198604 | 1.5798 | 40 |
| 21 | 509 | 8427 | 3.32 | 480 | 6751 | | 340 | 1675 | | 8325 | 788 | 39 |
| 22 | 534 | 8626 | | 464 | 6671 | | 380 | 1955 | | 8045 | 778 | 38 |
| 23 | 558 | 8825 | | 448 | 6591 | | 421 | 2234 | 4.65 | 7766 | 768 | 37 |
| 24 | 583 | 9024 | | 433 | 6511 | 1.34 | 462 | 2513 | | 7487 | 757 | 36 |
| 25 | 607 | 9223 | 3.31 | 417 | 6431 | | 503 | 2792 | | 7208 | 747 | 35 |
| 26 | 632 | 9422 | | 402 | 6351 | | 544 | 3072 | | 6928 | 737 | 34 |
| 27 | 656 | 9621 | | 386 | 6270 | | 584 | 3351 | | 6649 | 727 | 33 |
| 28 | 681 | 9820 | | 370 | 6190 | | 625 | 3630 | | 6370 | 717 | 32 |
| 29 | 705 | 9.730018 | 3.30 | 355 | 6110 | | 666 | 3909 | | 6091 | 707 | 31 |
| 30 | 53730 | 9.730217 | 3.30 | 84339 | 9.926029 | 1.34 | 63707 | 9.804187 | 4.65 | 0.195813 | 1.5697 | 30 |
| 31 | 754 | 0415 | | 324 | 5949 | | 748 | 4466 | 4.64 | 5534 | 687 | 29 |
| 32 | 779 | 0613 | | 308 | 5868 | | 789 | 4745 | | 5255 | 677 | 28 |
| 33 | 804 | 0811 | | 292 | 5788 | | 830 | 5023 | | 4977 | 667 | 27 |
| 34 | 828 | 1009 | 3.29 | 277 | 5707 | 1.35 | 871 | 5302 | | 4698 | 657 | 26 |
| 35 | 853 | 1206 | | 261 | 5626 | | 912 | 5580 | | 4420 | 647 | 25 |
| 36 | 877 | 1404 | | 245 | 5545 | 1.35 | 953 | 5859 | | 4141 | 637 | 24 |
| 37 | 902 | 1602 | | 230 | 5465 | | 994 | 6137 | | 3863 | 627 | 23 |
| 38 | 926 | 1799 | | 214 | 5384 | | 64035 | 6415 | 4.63 | 3585 | 617 | 22 |
| 39 | 951 | 1996 | 3.28 | 198 | 5303 | | 076 | 6693 | | 3307 | 607 | 21 |
| 40 | 53975 | 9.732193 | 3.28 | 84182 | 9.925222 | 1.35 | 64117 | 9.806971 | 4.63 | 0.193029 | 1.5597 | 20 |
| 41 | 54000 | 2390 | | 167 | 5141 | | 158 | 7249 | | 2751 | 587 | 19 |
| 42 | 024 | 2587 | | 151 | 5060 | | 199 | 7527 | | 2473 | 577 | 18 |
| 43 | 049 | 2784 | | 135 | 4979 | | 240 | 7805 | | 2195 | 567 | 17 |
| 44 | 073 | 2980 | 3.27 | 120 | 4897 | | 281 | 8083 | | 1917 | 557 | 16 |
| 45 | 097 | 3177 | | 104 | 4816 | | 322 | 8361 | | 1639 | 547 | 15 |
| 46 | 122 | 3373 | | 088 | 4735 | 1.36 | 363 | 8638 | 4.62 | 1362 | 537 | 14 |
| 47 | 146 | 3569 | | 072 | 4654 | | 404 | 8916 | | 1084 | 527 | 13 |
| 48 | 171 | 3765 | | 057 | 4572 | | 446 | 9193 | | 0807 | 517 | 12 |
| 49 | 195 | 3961 | 3.26 | 041 | 4491 | | 487 | 9471 | | 0529 | 507 | 11 |
| 50 | 54220 | 9.734157 | 3.26 | 84025 | 9.924409 | 1.36 | 64528 | 9.809748 | 4.62 | 0.190252 | 1.5497 | 10 |
| 51 | 244 | 4353 | | 009 | 4328 | | 569 | 9.810025 | | 0.189975 | 487 | 9 |
| 52 | 269 | 4549 | | 83994 | 4246 | | 610 | 0302 | | 9698 | 477 | 8 |
| 53 | 293 | 4744 | 3.25 | 978 | 4164 | | 652 | 0580 | | 9420 | 468 | 7 |
| 54 | 317 | 4939 | | 962 | 4083 | | 693 | 0857 | | 9143 | 458 | 6 |
| 55 | 342 | 5135 | | 946 | 4001 | | 734 | 1134 | 4.61 | 8866 | 448 | 5 |
| 56 | 366 | 5330 | | 930 | 3919 | | 775 | 1410 | | 8590 | 438 | 4 |
| 57 | 391 | 5525 | | 915 | 3837 | | 817 | 1687 | | 8313 | 428 | 3 |
| 58 | 415 | 5719 | 3.24 | 899 | 3755 | 1.37 | 858 | 1964 | | 8036 | 418 | 2 |
| 59 | 440 | 5914 | | 883 | 3673 | | 899 | 2241 | | 7759 | 408 | 1 |
| 60 | 54464 | 9.736109 | | 83867 | 9.923591 | | 64941 | 9.812517 | | 0.187483 | 1.5399 | 0 |
| 122° | Cosines. | | | Sines. | | | Cotangents. | | | Tangents. | | 57° |
| | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Log. | Nat. | |

| 33° | Sines. | | | Cosines. | | | Tangents. | | | Cotangents. | | 146° |
|------|----------|----------|------|----------|----------|------|-------------|----------|------|-------------|--------|------|
| | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Log. | Nat. | |
| 0' | 5446 | 9.736109 | 3.24 | 83867 | 9.923591 | 1.37 | 64941 | 9.812517 | 4.61 | 0.187483 | 1.5399 | 60' |
| 1 | 488 | 6303 | | 851 | 3509 | | 982 | 2794 | | 7206 | 389 | 59 |
| 2 | 513 | 6498 | | 855 | 3427 | | 65024 | 3070 | | 6930 | 379 | 58 |
| 3 | 537 | 6692 | 3.23 | 819 | 3345 | | 665 | 3347 | 4.60 | 6653 | 369 | 57 |
| 4 | 561 | 6886 | | 804 | 3263 | | 106 | 3623 | | 6377 | 359 | 56 |
| 5 | 586 | 7080 | | 788 | 3181 | | 148 | 3899 | | 6101 | 350 | 55 |
| 6 | 610 | 7274 | | 772 | 3098 | | 189 | 4176 | | 5824 | 340 | 54 |
| 7 | 635 | 7467 | | 756 | 3016 | | 231 | 4452 | | 5548 | 330 | 53 |
| 8 | 659 | 7661 | 3.22 | 740 | 2933 | | 272 | 4728 | | 5272 | 320 | 52 |
| 9 | 683 | 7855 | | 724 | 2851 | | 314 | 5004 | | 4996 | 311 | 51 |
| 10 | 54708 | 9.738048 | 3.22 | 83708 | 9.922768 | 1.38 | 65355 | 9.815280 | 4.60 | 0.184720 | 1.5301 | 50 |
| 11 | 732 | 8241 | | 692 | 2686 | | 397 | 5555 | 4.59 | 4445 | 291 | 49 |
| 12 | 756 | 8434 | | 676 | 2603 | | 438 | 5831 | | 4169 | 282 | 48 |
| 13 | 781 | 8627 | 3.21 | 660 | 2520 | | 480 | 6107 | | 3893 | 272 | 47 |
| 14 | 805 | 8820 | | 645 | 2438 | | 521 | 6382 | | 3618 | 262 | 46 |
| 15 | 829 | 9013 | | 629 | 2355 | | 563 | 6658 | | 3342 | 253 | 45 |
| 16 | 854 | 9206 | | 613 | 2272 | | 604 | 6933 | | 3067 | 243 | 44 |
| 17 | 878 | 9398 | | 597 | 2189 | | 646 | 7209 | | 2791 | 233 | 43 |
| 18 | 902 | 9590 | 3.20 | 581 | 2106 | | 688 | 7484 | | 2516 | 224 | 42 |
| 19 | 927 | 9783 | | 565 | 2023 | | 729 | 7759 | | 2241 | 214 | 41 |
| 20 | 54951 | 9.739975 | 3.20 | 83549 | 9.921940 | 1.38 | 65771 | 9.818035 | 4.58 | 0.181965 | 1.5204 | 40 |
| 21 | 975 | 9.740167 | | 533 | 1857 | 1.39 | 813 | 8310 | | 1690 | 195 | 39 |
| 22 | 999 | 0359 | | 517 | 1774 | | 854 | 8585 | | 1415 | 185 | 38 |
| 23 | 55024 | 0550 | 3.19 | 501 | 1691 | | 896 | 8860 | | 1140 | 175 | 37 |
| 24 | 048 | 0742 | | 485 | 1607 | | 938 | 9135 | | 0865 | 166 | 36 |
| 25 | 072 | 0934 | | 469 | 1524 | | 980 | 9410 | | 0590 | 156 | 35 |
| 26 | 097 | 1125 | | 453 | 1441 | | 66021 | 9684 | | 0316 | 147 | 34 |
| 27 | 121 | 1316 | | 437 | 1357 | | 663 | 9959 | | 0041 | 137 | 33 |
| 28 | 145 | 1508 | 3.18 | 421 | 1274 | | 105 | 9.820234 | | 0.179766 | 127 | 32 |
| 29 | 169 | 1699 | | 405 | 1190 | | 147 | 0508 | 4.57 | 9492 | 118 | 31 |
| 30 | 55194 | 9.741889 | 3.18 | 83389 | 9.921107 | 1.39 | 66189 | 9.820783 | 4.57 | 0.179217 | 1.5108 | 30 |
| 31 | 218 | 2080 | | 373 | 1023 | | 230 | 1057 | | 8943 | 090 | 29 |
| 32 | 242 | 2271 | | 356 | 0939 | 1.40 | 272 | 1332 | | 8668 | 089 | 28 |
| 33 | 266 | 2462 | 3.17 | 340 | 0856 | | 314 | 1606 | | 8394 | 080 | 27 |
| 34 | 291 | 2652 | | 324 | 0772 | | 356 | 1880 | | 8120 | 070 | 26 |
| 35 | 315 | 2842 | | 308 | 0688 | | 398 | 2154 | | 7846 | 061 | 25 |
| 36 | 339 | 3033 | | 292 | 0604 | | 440 | 2429 | | 7571 | 051 | 24 |
| 37 | 363 | 3223 | | 276 | 0520 | | 482 | 2703 | | 7297 | 042 | 23 |
| 38 | 388 | 3413 | 3.16 | 260 | 0436 | | 524 | 2977 | 4.56 | 7023 | 032 | 22 |
| 39 | 412 | 3602 | | 244 | 0352 | | 566 | 3251 | | 6749 | 023 | 21 |
| 40 | 55436 | 9.743792 | 3.16 | 83228 | 9.920268 | 1.40 | 66608 | 9.823524 | 4.56 | 0.176476 | 1.5013 | 20 |
| 41 | 460 | 3982 | | 212 | 0184 | | 650 | 3798 | | 6202 | 004 | 19 |
| 42 | 484 | 4171 | | 195 | 0099 | | 692 | 4072 | | 5928 | 1.4994 | 18 |
| 43 | 509 | 4361 | 3.15 | 179 | 0015 | | 734 | 4345 | | 5655 | 985 | 17 |
| 44 | 533 | 4550 | | 163 | 9.919931 | 1.41 | 776 | 4619 | | 5381 | 975 | 16 |
| 45 | 557 | 4739 | | 147 | 9846 | | 818 | 4893 | | 5107 | 966 | 15 |
| 46 | 581 | 4928 | | 131 | 9762 | | 860 | 5166 | | 4834 | 957 | 14 |
| 47 | 605 | 5117 | | 115 | 9677 | | 902 | 5439 | 4.55 | 4561 | 947 | 13 |
| 48 | 630 | 5306 | 3.14 | 98 | 9593 | | 944 | 5713 | | 4287 | 938 | 12 |
| 49 | 654 | 5494 | | 982 | 9508 | | 986 | 5986 | | 4014 | 928 | 11 |
| 50 | 55678 | 9.745683 | 3.14 | 83066 | 9.919424 | 1.41 | 67028 | 9.826259 | 4.55 | 0.173741 | 1.4919 | 10 |
| 51 | 702 | 5871 | | 950 | 9339 | | 071 | 6532 | | 3468 | 910 | 9 |
| 52 | 726 | 6060 | | 934 | 9254 | | 113 | 6805 | | 3195 | 900 | 8 |
| 53 | 750 | 6248 | 3.13 | 917 | 9169 | | 155 | 7078 | | 2922 | 891 | 7 |
| 54 | 775 | 6436 | | 901 | 9085 | | 197 | 7351 | | 2649 | 882 | 6 |
| 55 | 799 | 6624 | | 82985 | 9000 | 1.42 | 239 | 7624 | | 2376 | 872 | 5 |
| 56 | 823 | 6812 | | 969 | 8915 | | 282 | 7897 | 4.54 | 2103 | 863 | 4 |
| 57 | 847 | 6999 | | 953 | 8830 | | 324 | 8170 | | 1830 | 854 | 3 |
| 58 | 871 | 7187 | 3.12 | 936 | 8745 | | 366 | 8442 | | 1558 | 844 | 2 |
| 59 | 895 | 7374 | | 920 | 8659 | | 409 | 8715 | | 1285 | 835 | 1 |
| 60 | 55919 | 9.747562 | | 82904 | 9.918574 | | 67451 | 9.828987 | | 0.171013 | 1.4826 | 0 |
| 123° | Cosines. | | | Sines. | | | Cotangents. | | | Tangents. | | 56° |
| | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Log. | Nat. | |

| 34° | Sines. | | | Cosines. | | | Tangents. | | | Cotangents. | | 145° |
|------|----------|----------|------|----------|----------|------|-------------|----------|------|-------------|--------|------|
| | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Log. | Nat. | |
| 0' | 55919 | 9.747562 | 3.12 | 82904 | 9.918574 | 1.42 | 67451 | 9.828987 | 4.54 | 0.171013 | 1.4826 | 60' |
| 1 | 943 | 7749 | | 887 | 8489 | | 493 | 9260 | | 0740 | 816 | 59 |
| 2 | 968 | 7936 | | 871 | 8404 | | 536 | 9532 | | 0468 | 807 | 58 |
| 3 | 992 | 8123 | 3.11 | 855 | 8318 | | 578 | 9805 | | 0195 | 798 | 57 |
| 4 | 56016 | 8310 | | 839 | 8233 | | 620 | 9.830077 | | 0.169923 | 788 | 56 |
| 5 | 040 | 8497 | | 822 | 8147 | | 663 | 0349 | 4.53 | 9651 | 779 | 55 |
| 6 | 064 | 8683 | | 806 | 8062 | 1.43 | 705 | 0621 | | 9379 | 770 | 54 |
| 7 | 088 | 8870 | | 790 | 7976 | | 748 | 0893 | | 9107 | 761 | 53 |
| 8 | 112 | 9056 | 3.10 | 773 | 7891 | | 790 | 1165 | | 8835 | 751 | 52 |
| 9 | 136 | 9243 | | 757 | 7805 | | 832 | 1437 | | 8563 | 742 | 51 |
| 10 | 56160 | 9.749429 | 3.10 | 82741 | 9.917719 | 1.43 | 67875 | 9.831709 | 4.53 | 0.168291 | 1.4733 | 50 |
| 11 | 184 | 9615 | | 724 | 7634 | | 917 | 1981 | | 8019 | 724 | 49 |
| 12 | 208 | 9801 | | 708 | 7548 | | 960 | 2253 | | 7747 | 715 | 48 |
| 13 | 232 | 9987 | 3.09 | 692 | 7462 | | 68002 | 2525 | | 7475 | 705 | 47 |
| 14 | 256 | 9.750172 | | 675 | 7376 | | 045 | 2796 | | 7204 | 696 | 46 |
| 15 | 280 | 0358 | | 659 | 7290 | | 088 | 3068 | 4.52 | 6932 | 687 | 45 |
| 16 | 305 | 0543 | | 643 | 7204 | | 130 | 3339 | | 6661 | 678 | 44 |
| 17 | 329 | 0729 | | 626 | 7118 | 1.44 | 173 | 3611 | | 6389 | 669 | 43 |
| 18 | 353 | 0914 | 3.08 | 610 | 7032 | | 215 | 3882 | | 6118 | 659 | 42 |
| 19 | 377 | 1099 | | 593 | 6946 | | 258 | 4154 | | 5846 | 650 | 41 |
| 20 | 56401 | 9.751284 | 3.08 | 82577 | 9.916859 | 1.44 | 68301 | 9.834425 | 4.52 | 0.165575 | 1.4641 | 40 |
| 21 | 425 | 1469 | | 561 | 6773 | | 343 | 4696 | | 5304 | 632 | 39 |
| 22 | 449 | 1654 | | 544 | 6687 | | 386 | 4967 | | 5033 | 623 | 38 |
| 23 | 473 | 1839 | | 528 | 6600 | | 429 | 5238 | | 4762 | 614 | 37 |
| 24 | 497 | 2023 | 3.07 | 511 | 6514 | | 471 | 5509 | | 4491 | 605 | 36 |
| 25 | 521 | 2208 | | 495 | 6427 | | 514 | 5780 | 4.51 | 4220 | 596 | 35 |
| 26 | 545 | 2392 | | 478 | 6341 | | 557 | 6051 | | 3949 | 586 | 34 |
| 27 | 569 | 2576 | | 462 | 6254 | | 600 | 6322 | | 3678 | 577 | 33 |
| 28 | 593 | 2760 | | 446 | 6167 | 1.45 | 642 | 6593 | | 3407 | 568 | 32 |
| 29 | 617 | 2944 | 3.06 | 429 | 6081 | | 685 | 6864 | | 3136 | 559 | 31 |
| 30 | 56641 | 9.753128 | 3.06 | 82413 | 9.915994 | 1.45 | 68728 | 9.837134 | 4.51 | 0.162866 | 1.4550 | 30 |
| 31 | 665 | 3312 | | 396 | 5907 | | 771 | 7405 | | 2595 | 541 | 29 |
| 32 | 689 | 3495 | | 380 | 5820 | | 814 | 7675 | | 2325 | 532 | 28 |
| 33 | 713 | 3679 | | 363 | 5733 | | 857 | 7946 | | 2054 | 523 | 27 |
| 34 | 736 | 3862 | 3.05 | 347 | 5646 | | 900 | 8216 | | 1784 | 514 | 26 |
| 35 | 760 | 4046 | | 330 | 5559 | | 942 | 8487 | 4.50 | 1513 | 505 | 25 |
| 36 | 784 | 4229 | | 314 | 5472 | | 985 | 8757 | | 1243 | 496 | 24 |
| 37 | 808 | 4412 | | 297 | 5385 | | 69028 | 9027 | | 0973 | 487 | 23 |
| 38 | 832 | 4595 | | 281 | 5297 | | 071 | 9297 | | 0703 | 478 | 22 |
| 39 | 856 | 4778 | 3.04 | 264 | 5210 | | 114 | 9568 | | 0432 | 469 | 21 |
| 40 | 56880 | 9.754960 | 3.04 | 82248 | 9.915123 | 1.46 | 69157 | 9.839838 | 4.50 | 0.160162 | 1.4460 | 20 |
| 41 | 904 | 5143 | | 231 | 5035 | | 200 | 9.840108 | | 0.159892 | 451 | 19 |
| 42 | 928 | 5326 | | 214 | 4948 | | 243 | 0378 | | 9622 | 442 | 18 |
| 43 | 952 | 5508 | | 198 | 4860 | | 286 | 0648 | | 9352 | 433 | 17 |
| 44 | 976 | 5690 | | 181 | 4773 | | 329 | 0917 | 4.49 | 9083 | 424 | 16 |
| 45 | 57000 | 5872 | 3.03 | 165 | 4685 | | 372 | 1187 | | 8813 | 415 | 15 |
| 46 | 024 | 6054 | | 148 | 4598 | | 416 | 1457 | | 8543 | 406 | 14 |
| 47 | 047 | 6236 | | 132 | 4510 | | 459 | 1727 | | 8273 | 397 | 13 |
| 48 | 071 | 6418 | | 115 | 4422 | | 502 | 1996 | | 8004 | 388 | 12 |
| 49 | 095 | 6600 | | 098 | 4334 | | 545 | 2266 | | 7734 | 379 | 11 |
| 50 | 57119 | 9.756782 | 3.02 | 82082 | 9.914246 | 1.47 | 69588 | 9.842535 | 4.49 | 0.157465 | 1.4370 | 10 |
| 51 | 143 | 6963 | | 065 | 4158 | | 631 | 2805 | | 7195 | 361 | 9 |
| 52 | 167 | 7144 | | 048 | 4070 | | 675 | 3074 | | 6926 | 352 | 8 |
| 53 | 191 | 7326 | | 032 | 3982 | | 718 | 3343 | | 6657 | 344 | 7 |
| 54 | 215 | 7507 | | 015 | 3894 | | 761 | 3612 | | 6388 | 335 | 6 |
| 55 | 238 | 7688 | 3.01 | 81999 | 3806 | | 804 | 3882 | 4.48 | 6118 | 326 | 5 |
| 56 | 262 | 7869 | | 982 | 3718 | | 847 | 4151 | | 5849 | 317 | 4 |
| 57 | 286 | 8050 | | 965 | 3630 | | 891 | 4420 | | 5580 | 308 | 3 |
| 58 | 310 | 8230 | | 949 | 3541 | | 934 | 4689 | | 5311 | 299 | 2 |
| 59 | 334 | 8411 | | 932 | 3453 | | 977 | 4958 | | 5042 | 290 | 1 |
| 60 | 57358 | 9.758591 | | 81915 | 9.913365 | | 70021 | 9.845227 | | 0.154773 | 1.4281 | 0 |
| 124° | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Log. | Nat. | 55° |
| | Cosines. | | | Sines. | | | Cotangents. | | | Tangents. | | |

| 35° | Sines. | | | Cosines. | | | Tangents. | | | Cotangents. | | 144° |
|------|----------------|----------|------|----------------|----------|------|----------------|----------|------|----------------|--------|------|
| | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Log. | Nat. | |
| 0' | 57358 | 9.758591 | 3.01 | 81915 | 9.913365 | 1.47 | 70021 | 9.845227 | 4.48 | 0.154773 | 1.4281 | 60' |
| 1 | 381 | 8772 | 3.00 | 899 | 3276 | | 064 | 5496 | | 4504 | 273 | 59 |
| 2 | 405 | 8952 | | 882 | 3187 | 1.48 | 107 | 5764 | | 4236 | 264 | 58 |
| 3 | 429 | 9132 | | 865 | 3099 | | 151 | 6033 | | 3967 | 255 | 57 |
| 4 | 453 | 9312 | | 848 | 3010 | | 194 | 6302 | | 3698 | 246 | 56 |
| 5 | 477 | 9492 | | 832 | 2922 | | 238 | 6570 | 4.47 | 3430 | 237 | 55 |
| 6 | 501 | 9672 | 2.99 | 815 | 2833 | | 281 | 6839 | | 3161 | 229 | 54 |
| 7 | 524 | 9852 | | 798 | 2744 | | 325 | 7108 | | 2892 | 220 | 53 |
| 8 | 548 | 9.760031 | | 782 | 2655 | | 368 | 7376 | | 2624 | 211 | 52 |
| 9 | 572 | 0211 | | 765 | 2566 | | 412 | 7644 | | 2356 | 202 | 51 |
| 10 | 57396 | 9.760390 | 2.99 | 81748 | 9.912477 | 1.48 | 70455 | 9.847913 | 4.47 | 0.152087 | 1.4193 | 50 |
| 11 | 619 | 0569 | 2.98 | 731 | 2388 | | 499 | 8181 | | 1819 | 185 | 49 |
| 12 | 643 | 0748 | | 714 | 2299 | 1.49 | 542 | 8449 | | 1551 | 176 | 48 |
| 13 | 667 | 0927 | | 698 | 2210 | | 586 | 8717 | | 1283 | 167 | 47 |
| 14 | 691 | 1106 | | 681 | 2121 | | 629 | 8986 | | 1014 | 158 | 46 |
| 15 | 715 | 1285 | | 664 | 2031 | | 673 | 9254 | | 0746 | 150 | 45 |
| 16 | 738 | 1464 | | 647 | 1942 | | 717 | 9522 | | 0478 | 141 | 44 |
| 17 | 762 | 1642 | 2.97 | 631 | 1853 | | 760 | 9790 | 4.46 | 0210 | 132 | 43 |
| 18 | 786 | 1821 | | 614 | 1763 | | 804 | 9.850057 | | 0.149943 | 124 | 42 |
| 19 | 810 | 1999 | | 597 | 1674 | | 848 | 0325 | | 9675 | 115 | 41 |
| 20 | 57833 | 9.762177 | 2.97 | 81580 | 9.911584 | 1.49 | 70891 | 9.850593 | 4.46 | 0.149407 | 1.4106 | 40 |
| 21 | 857 | 2356 | | 563 | 1495 | | 935 | 0861 | | 9139 | 097 | 39 |
| 22 | 881 | 2534 | 2.96 | 546 | 1405 | | 979 | 1129 | | 8871 | 089 | 38 |
| 23 | 904 | 2712 | | 530 | 1315 | 1.50 | 71023 | 1396 | | 8604 | 080 | 37 |
| 24 | 928 | 2890 | | 513 | 1226 | | 066 | 1664 | | 8336 | 071 | 36 |
| 25 | 952 | 3067 | | 496 | 1136 | | 110 | 1931 | | 8069 | 063 | 35 |
| 26 | 976 | 3245 | | 479 | 1046 | | 154 | 2199 | | 7801 | 054 | 34 |
| 27 | 999 | 3422 | | 462 | 0956 | | 198 | 2466 | | 7534 | 045 | 33 |
| 28 | 58023 | 3600 | 2.95 | 445 | 0866 | | 242 | 2733 | 4.45 | 7267 | 037 | 32 |
| 29 | 047 | 3777 | | 428 | 0776 | | 285 | 3001 | | 6999 | 028 | 31 |
| 30 | 58070 | 9.763954 | 2.95 | 81412 | 9.910686 | 1.50 | 71329 | 9.853268 | 4.45 | 0.146732 | 1.4019 | 30 |
| 31 | 094 | 4131 | | 395 | 0596 | | 373 | 3535 | | 6465 | 011 | 29 |
| 32 | 118 | 4308 | | 378 | 0506 | | 417 | 3802 | | 6198 | 002 | 28 |
| 33 | 141 | 4485 | 2.94 | 361 | 0415 | | 461 | 4069 | | 5931 | 1.3994 | 27 |
| 34 | 165 | 4662 | | 344 | 0325 | 1.51 | 505 | 4336 | | 5664 | 985 | 26 |
| 35 | 189 | 4838 | | 327 | 0235 | | 549 | 4603 | | 5397 | 976 | 25 |
| 36 | 212 | 5015 | | 310 | 0144 | | 593 | 4870 | | 5130 | 968 | 24 |
| 37 | 236 | 5191 | | 293 | 0054 | | 637 | 5137 | | 4863 | 959 | 23 |
| 38 | 260 | 5367 | | 276 | 9.909963 | | 681 | 5404 | | 4596 | 951 | 22 |
| 39 | 283 | 5544 | 2.93 | 259 | 9873 | | 725 | 5671 | 4.44 | 4329 | 942 | 21 |
| 40 | 58307 | 9.765720 | 2.93 | 81242 | 9.909782 | 1.51 | 71769 | 9.855938 | 4.44 | 0.144062 | 1.3934 | 20 |
| 41 | 330 | 5896 | | 225 | 9691 | | 813 | 6204 | | 3796 | 925 | 19 |
| 42 | 354 | 6072 | | 208 | 9601 | | 857 | 6471 | | 3529 | 916 | 18 |
| 43 | 378 | 6247 | | 191 | 9510 | | 901 | 6737 | | 3263 | 908 | 17 |
| 44 | 401 | 6423 | | 174 | 9419 | | 946 | 7004 | | 2996 | 899 | 16 |
| 45 | 425 | 6598 | 2.92 | 157 | 9328 | 1.52 | 990 | 7270 | | 2730 | 891 | 15 |
| 46 | 449 | 6774 | | 140 | 9237 | | 72034 | 7537 | | 2463 | 882 | 14 |
| 47 | 472 | 6949 | | 123 | 9146 | | 078 | 7803 | | 2197 | 874 | 13 |
| 48 | 496 | 7124 | | 106 | 9055 | | 122 | 8069 | | 1931 | 865 | 12 |
| 49 | 519 | 7300 | | 089 | 8964 | | 167 | 8336 | | 1664 | 857 | 11 |
| 50 | 58543 | 9.767475 | 2.91 | 81072 | 9.908873 | 1.52 | 72211 | 9.858602 | 4.43 | 0.141398 | 1.3848 | 10 |
| 51 | 567 | 7649 | | 055 | 8781 | | 255 | 8868 | | 1132 | 840 | 9 |
| 52 | 590 | 7824 | | 038 | 8690 | | 299 | 9134 | | 0866 | 831 | 8 |
| 53 | 614 | 7999 | | 021 | 8599 | | 344 | 9400 | | 0600 | 823 | 7 |
| 54 | 637 | 8173 | | 004 | 8507 | | 388 | 9666 | | 0334 | 814 | 6 |
| 55 | 661 | 8348 | 2.90 | 80987 | 8416 | 1.53 | 432 | 9932 | | 0068 | 806 | 5 |
| 56 | 684 | 8522 | | 970 | 8324 | | 477 | 9.860198 | | 0.139802 | 798 | 4 |
| 57 | 708 | 8697 | | 953 | 8233 | | 521 | 0464 | | 9536 | 789 | 3 |
| 58 | 731 | 8871 | | 936 | 8141 | | 565 | 0730 | | 9270 | 781 | 2 |
| 59 | 755 | 9045 | | 919 | 8049 | | 610 | 0995 | | 9005 | 772 | 1 |
| 60 | 58779 | 9.769219 | | 80902 | 9.907958 | | 72654 | 9.861261 | | 0.138739 | 1.3764 | 0 |
| 125° | Nat. Log. Dif. | | | Nat. Log. Dif. | | | Nat. Log. Dif. | | | Nat. Log. Nat. | | 54° |
| | Cosines. | | | Sines. | | | Cotangents. | | | Tangents. | | |

| 36° | Sines. | | | Cosines. | | | Tangents. | | | Cotangents. | | 143° |
|------|----------|----------|------|----------|----------|------|-------------|----------|------|-------------|--------|------|
| | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Log. | Nat. | |
| 0' | 58779 | 9.769219 | 2.90 | 80902 | 9.907958 | 1.53 | 72654 | 9.861261 | 4.43 | 0.138739 | 1.3764 | 60' |
| 1 | 802 | 9393 | 2.89 | 885 | 7806 | | 699 | 1527 | | 8473 | 755 | 59 |
| 2 | 826 | 9566 | | 867 | 7774 | | 743 | 1792 | 4.42 | 8208 | 747 | 58 |
| 3 | 849 | 9740 | | 850 | 7682 | | 788 | 2058 | | 7942 | 739 | 57 |
| 4 | 873 | 9913 | | 833 | 7590 | | 832 | 2323 | | 7677 | 730 | 56 |
| 5 | 896 | 9.770087 | | 816 | 7498 | | 877 | 2589 | | 7411 | 722 | 55 |
| 6 | 920 | 0260 | 2.88 | 799 | 7406 | | 921 | 2854 | | 7146 | 713 | 54 |
| 7 | 943 | 0433 | | 782 | 7314 | 1.54 | 966 | 3119 | | 6881 | 705 | 53 |
| 8 | 967 | 0606 | | 765 | 7222 | | 73010 | 3385 | | 6615 | 697 | 52 |
| 9 | 990 | 0779 | | 748 | 7129 | | 065 | 3650 | | 6350 | 688 | 51 |
| 10 | 59014 | 9.770952 | 2.88 | 80730 | 9.907037 | 1.54 | 73100 | 9.863915 | 4.42 | 0.136085 | 1.3680 | 50 |
| 11 | 037 | 1125 | | 713 | 6945 | | 144 | 4180 | | 5820 | 672 | 49 |
| 12 | 061 | 1298 | 2.87 | 696 | 6852 | | 189 | 4445 | | 5555 | 663 | 48 |
| 13 | 084 | 1470 | | 679 | 6760 | | 234 | 4710 | | 5290 | 655 | 47 |
| 14 | 108 | 1643 | | 662 | 6667 | | 278 | 4975 | 4.41 | 5025 | 647 | 46 |
| 15 | 131 | 1815 | | 644 | 6575 | | 323 | 5240 | | 4760 | 638 | 45 |
| 16 | 154 | 1987 | | 627 | 6482 | | 368 | 5505 | | 4495 | 630 | 44 |
| 17 | 178 | 2159 | | 610 | 6389 | 1.55 | 413 | 5770 | | 4230 | 622 | 43 |
| 18 | 201 | 2331 | 2.86 | 593 | 6296 | | 457 | 6035 | | 3965 | 613 | 42 |
| 19 | 225 | 2503 | | 576 | 6204 | | 502 | 6300 | | 3700 | 605 | 41 |
| 20 | 59248 | 9.772675 | 2.86 | 80558 | 9.906111 | 1.55 | 73547 | 9.866564 | 4.41 | 0.133436 | 1.3597 | 40 |
| 21 | 272 | 2847 | | 541 | 6018 | | 592 | 6829 | | 3171 | 588 | 39 |
| 22 | 295 | 3018 | | 524 | 5925 | | 637 | 7094 | | 2906 | 580 | 38 |
| 23 | 318 | 3190 | | 507 | 5832 | | 681 | 7358 | | 2642 | 572 | 37 |
| 24 | 342 | 3361 | 2.85 | 489 | 5739 | | 726 | 7623 | | 2377 | 564 | 36 |
| 25 | 365 | 3533 | | 472 | 5645 | | 771 | 7887 | | 2113 | 555 | 35 |
| 26 | 389 | 3704 | | 455 | 5552 | | 816 | 8152 | 4.40 | 1848 | 547 | 34 |
| 27 | 412 | 3875 | | 438 | 5459 | | 861 | 8416 | | 1584 | 539 | 33 |
| 28 | 436 | 4046 | | 420 | 5366 | 1.56 | 906 | 8680 | | 1320 | 531 | 32 |
| 29 | 459 | 4217 | | 403 | 5272 | | 951 | 8945 | | 1055 | 522 | 31 |
| 30 | 59482 | 9.774388 | 2.84 | 80386 | 9.905179 | 1.56 | 73996 | 9.869209 | 4.40 | 0.130791 | 1.3514 | 30 |
| 31 | 506 | 4558 | | 368 | 5085 | | 74041 | 9473 | | 0527 | 506 | 29 |
| 32 | 529 | 4729 | | 351 | 4992 | | 086 | 9737 | | 0263 | 498 | 28 |
| 33 | 552 | 4899 | | 334 | 4898 | | 131 | 9.870001 | | 0.129999 | 490 | 27 |
| 34 | 576 | 5070 | | 316 | 4804 | | 176 | 0265 | | 9735 | 481 | 26 |
| 35 | 599 | 5240 | | 299 | 4711 | | 221 | 0529 | | 9471 | 473 | 25 |
| 36 | 622 | 5410 | 2.83 | 282 | 4617 | | 267 | 0793 | | 9207 | 465 | 24 |
| 37 | 646 | 5580 | | 264 | 4523 | | 312 | 1057 | | 8943 | 457 | 23 |
| 38 | 669 | 5750 | | 247 | 4429 | 1.57 | 357 | 1321 | | 8679 | 449 | 22 |
| 39 | 693 | 5920 | | 230 | 4335 | | 402 | 1585 | | 8415 | 440 | 21 |
| 40 | 59716 | 9.776090 | 2.83 | 80212 | 9.904241 | 1.57 | 74447 | 9.871849 | 4.39 | 0.128151 | 1.3432 | 20 |
| 41 | 739 | 6259 | | 195 | 4147 | | 492 | 2112 | | 7888 | 424 | 19 |
| 42 | 763 | 6429 | 2.82 | 178 | 4053 | | 538 | 2376 | | 7624 | 416 | 18 |
| 43 | 786 | 6598 | | 160 | 3959 | | 583 | 2640 | | 7360 | 408 | 17 |
| 44 | 809 | 6768 | | 143 | 3864 | | 628 | 2903 | | 7097 | 400 | 16 |
| 45 | 832 | 6937 | | 125 | 3770 | | 674 | 3167 | | 6833 | 392 | 15 |
| 46 | 856 | 7106 | | 108 | 3676 | | 719 | 3430 | | 6570 | 384 | 14 |
| 47 | 879 | 7275 | 2.81 | 091 | 3581 | | 764 | 3694 | | 6306 | 375 | 13 |
| 48 | 902 | 7444 | | 073 | 3487 | | 810 | 3957 | | 6043 | 367 | 12 |
| 49 | 926 | 7613 | | 056 | 3392 | 1.58 | 855 | 4220 | | 5780 | 359 | 11 |
| 50 | 59949 | 9.777781 | 2.81 | 80038 | 9.903298 | 1.58 | 74900 | 9.874484 | 4.39 | 0.125516 | 1.3351 | 10 |
| 51 | 972 | 7950 | | 021 | 3203 | | 946 | 4747 | | 5253 | 343 | 9 |
| 52 | 995 | 8119 | | 003 | 3108 | | 991 | 5010 | | 4990 | 335 | 8 |
| 53 | 60019 | 8287 | 2.80 | 79986 | 3014 | | 75037 | 5273 | 4.38 | 4727 | 327 | 7 |
| 54 | 042 | 8455 | | 968 | 2919 | | 082 | 5537 | | 4463 | 319 | 6 |
| 55 | 065 | 8624 | | 951 | 2824 | | 128 | 5800 | | 4200 | 311 | 5 |
| 56 | 089 | 8792 | | 934 | 2729 | | 173 | 6063 | | 3937 | 303 | 4 |
| 57 | 112 | 8960 | | 916 | 2634 | | 219 | 6326 | | 3674 | 295 | 3 |
| 58 | 135 | 9128 | | 899 | 2539 | | 264 | 6589 | | 3411 | 287 | 2 |
| 59 | 158 | 9295 | 2.79 | 881 | 2444 | 1.59 | 310 | 6852 | | 3148 | 278 | 1 |
| 60 | 60182 | 9.779463 | | 79864 | 9.902349 | | 75355 | 9.877114 | | 0.122886 | 1.3270 | 0 |
| 126° | Cosines. | | | Sines. | | | Cotangents. | | | Tangents. | | 53° |
| | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Log. | Nat. | |

| 37° | Sines. | | | Cosines. | | | Tangents. | | | Cotangents. | | 142° |
|------|----------|----------|------|----------|----------|------|-------------|----------|------|-------------|--------|------|
| | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Log. | Nat. | |
| 0' | 60182 | 9.779463 | 2.79 | 79864 | 9.902349 | 1.59 | 75355 | 9.877114 | 4.38 | 0.122886 | 1.3270 | 60' |
| 1 | 205 | 9631 | | 846 | 2253 | | 401 | 7377 | | 2623 | 262 | 59 |
| 2 | 228 | 9798 | | 829 | 2158 | | 447 | 7040 | | 2360 | 254 | 58 |
| 3 | 251 | 9966 | | 811 | 2063 | | 492 | 7903 | | 2097 | 246 | 57 |
| 4 | 274 | 9.780133 | | 793 | 1967 | | 538 | 8165 | | 1835 | 238 | 56 |
| 5 | 298 | 0300 | 2.78 | 776 | 1872 | | 584 | 8428 | | 1572 | 230 | 55 |
| 6 | 321 | 0467 | | 758 | 1776 | | 629 | 8691 | | 1309 | 222 | 54 |
| 7 | 344 | 0634 | | 741 | 1681 | | 675 | 8953 | 4.37 | 1047 | 214 | 53 |
| 8 | 367 | 0801 | | 723 | 1585 | | 721 | 9216 | | 0784 | 206 | 52 |
| 9 | 390 | 0968 | | 706 | 1490 | | 767 | 9478 | | 0522 | 198 | 51 |
| 10 | 60414 | 9.781134 | 2.78 | 79688 | 9.901394 | 1.60 | 75812 | 9.879741 | 4.37 | 0.120259 | 1.3190 | 50 |
| 11 | 437 | 1301 | 2.77 | 671 | 1298 | | 858 | 9.880003 | | 0.119997 | 182 | 49 |
| 12 | 460 | 1468 | | 653 | 1202 | | 904 | 0265 | | 9735 | 175 | 48 |
| 13 | 483 | 1634 | | 635 | 1106 | | 950 | 0528 | | 9472 | 167 | 47 |
| 14 | 506 | 1800 | | 618 | 1010 | | 996 | 0790 | | 9210 | 159 | 46 |
| 15 | 529 | 1966 | | 600 | 0914 | | 76042 | 1052 | | 8948 | 151 | 45 |
| 16 | 553 | 2132 | | 583 | 0818 | | 088 | 1314 | | 8686 | 143 | 44 |
| 17 | 576 | 2298 | 2.76 | 565 | 0722 | | 134 | 1577 | | 8423 | 135 | 43 |
| 18 | 599 | 2464 | | 547 | 0626 | | 180 | 1839 | | 8161 | 127 | 42 |
| 19 | 622 | 2630 | | 530 | 0529 | | 226 | 2101 | | 7899 | 119 | 41 |
| 20 | 60645 | 9.782796 | 2.76 | 79512 | 9.900433 | 1.61 | 76272 | 9.882363 | 4.36 | 0.117637 | 1.3111 | 40 |
| 21 | 668 | 2961 | | 494 | 0337 | | 318 | 2625 | | 7375 | 103 | 39 |
| 22 | 691 | 3127 | | 477 | 0240 | | 364 | 2887 | | 7113 | 095 | 38 |
| 23 | 714 | 3292 | 2.75 | 459 | 0144 | | 410 | 3148 | | 6852 | 087 | 37 |
| 24 | 738 | 3458 | | 441 | 0047 | | 456 | 3410 | | 6590 | 079 | 36 |
| 25 | 761 | 3623 | | 424 | 9.899951 | | 502 | 3672 | | 6328 | 072 | 35 |
| 26 | 784 | 3788 | | 406 | 9854 | | 548 | 3934 | | 6066 | 064 | 34 |
| 27 | 807 | 3953 | | 388 | 9757 | | 594 | 4196 | | 5804 | 056 | 33 |
| 28 | 830 | 4118 | | 371 | 9660 | | 640 | 4457 | | 5543 | 048 | 32 |
| 29 | 853 | 4282 | 2.74 | 353 | 9564 | | 686 | 4719 | | 5281 | 040 | 31 |
| 30 | 60876 | 9.784447 | 2.74 | 79335 | 9.899467 | 1.62 | 76733 | 9.884980 | 4.36 | 0.115020 | 1.3032 | 30 |
| 31 | 899 | 4612 | | 318 | 9370 | | 779 | 5242 | | 4758 | 024 | 29 |
| 32 | 922 | 4776 | | 300 | 9273 | | 825 | 5504 | | 4496 | 017 | 28 |
| 33 | 945 | 4941 | | 282 | 9176 | | 871 | 5765 | | 4235 | 009 | 27 |
| 34 | 968 | 5105 | | 264 | 9078 | | 918 | 6026 | | 3974 | 001 | 26 |
| 35 | 991 | 5269 | 2.73 | 247 | 8981 | | 964 | 6288 | | 3712 | 1.2993 | 25 |
| 36 | 61015 | 5433 | | 229 | 8884 | | 77010 | 6549 | 4.35 | 3451 | 985 | 24 |
| 37 | 038 | 5597 | | 211 | 8787 | | 057 | 6811 | | 3189 | 977 | 23 |
| 38 | 061 | 5761 | | 193 | 8689 | | 103 | 7072 | | 2928 | 970 | 22 |
| 39 | 084 | 5925 | | 176 | 8592 | | 149 | 7333 | | 2667 | 962 | 21 |
| 40 | 61107 | 9.786089 | 2.73 | 79158 | 9.898494 | 1.63 | 77196 | 9.887594 | 4.35 | 0.112406 | 1.2934 | 20 |
| 41 | 130 | 6252 | 2.72 | 140 | 8397 | | 242 | 7855 | | 2145 | 946 | 19 |
| 42 | 153 | 6416 | | 122 | 8299 | | 289 | 8116 | | 1884 | 938 | 18 |
| 43 | 176 | 6579 | | 105 | 8202 | | 335 | 8378 | | 1622 | 931 | 17 |
| 44 | 199 | 6742 | | 087 | 8104 | | 382 | 8639 | | 1361 | 923 | 16 |
| 45 | 222 | 6906 | | 069 | 8006 | | 428 | 8900 | | 1100 | 915 | 15 |
| 46 | 245 | 7069 | | 051 | 7908 | | 475 | 9161 | | 0839 | 907 | 14 |
| 47 | 268 | 7232 | 2.71 | 033 | 7810 | | 521 | 9421 | | 0579 | 900 | 13 |
| 48 | 291 | 7395 | | 016 | 7712 | | 568 | 9682 | | 0318 | 892 | 12 |
| 49 | 314 | 7557 | | 78998 | 7614 | | 615 | 9943 | | 0057 | 884 | 11 |
| 50 | 61337 | 9.787720 | 2.71 | 78980 | 9.897516 | 1.63 | 77661 | 9.890204 | 4.34 | 0.109796 | 1.2876 | 10 |
| 51 | 360 | 7883 | | 962 | 7418 | 1.64 | 708 | 0465 | | 9535 | 869 | 9 |
| 52 | 383 | 8045 | | 944 | 7320 | | 754 | 0725 | | 9275 | 861 | 8 |
| 53 | 406 | 8208 | | 926 | 7222 | | 801 | 0986 | | 9014 | 853 | 7 |
| 54 | 429 | 8370 | 2.70 | 908 | 7123 | | 848 | 1247 | | 8753 | 846 | 6 |
| 55 | 451 | 8532 | | 891 | 7025 | | 895 | 1507 | | 8493 | 838 | 5 |
| 56 | 474 | 8694 | | 873 | 6926 | | 941 | 1768 | | 8232 | 830 | 4 |
| 57 | 497 | 8856 | | 855 | 6828 | | 988 | 2028 | | 7972 | 822 | 3 |
| 58 | 520 | 9018 | | 837 | 6729 | | 78035 | 2289 | | 7711 | 815 | 2 |
| 59 | 543 | 9180 | | 819 | 6631 | | 082 | 2549 | | 7451 | 807 | 1 |
| 60 | 61566 | 9.789342 | | 78801 | 9.896532 | | 78129 | 9.892810 | | 0.107190 | 1.2799 | 0 |
| 127° | Cosines. | | | Sines. | | | Cotangents. | | | Tangents. | | 52° |
| | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Log. | Nat. | |

| 38° | Sines. | | | Cosines. | | | Tangents. | | | Cotangents. | | 141° |
|------|----------|----------|------|----------|----------|------|-------------|----------|------|-------------|--------|------|
| | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Log. | Nat. | |
| 0' | 61566 | 9.789342 | 2.69 | 78801 | 9.896532 | 1.64 | 78129 | 9.892810 | 4.34 | 0.107190 | 1.2799 | 60' |
| 1 | 589 | 9504 | | 783 | 6433 | 1.65 | 175 | 3070 | | 6930 | 792 | 59 |
| 2 | 612 | 9665 | | 765 | 6335 | | 222 | 3331 | | 6669 | 784 | 58 |
| 3 | 635 | 9827 | | 747 | 6236 | | 269 | 3591 | | 6409 | 776 | 57 |
| 4 | 658 | 9988 | | 729 | 6137 | | 316 | 3851 | | 6149 | 769 | 56 |
| 5 | 681 | 9.790149 | 2.68 | 711 | 6038 | | 363 | 4111 | | 5889 | 761 | 55 |
| 6 | 704 | 0310 | | 694 | 5939 | | 410 | 4372 | | 5628 | 753 | 54 |
| 7 | 726 | 0471 | | 676 | 5840 | | 457 | 4632 | 4.33 | 5368 | 746 | 53 |
| 8 | 749 | 0632 | | 658 | 5741 | | 504 | 4892 | | 5108 | 738 | 52 |
| 9 | 772 | 0793 | | 640 | 5641 | | 551 | 5152 | | 4848 | 731 | 51 |
| 10 | 61795 | 9.790954 | 2.68 | 78622 | 9.895542 | 1.65 | 78598 | 9.895412 | 4.33 | 0.104588 | 1.2723 | 50 |
| 11 | 818 | 1115 | | 604 | 5443 | 1.66 | 645 | 5672 | | 4328 | 715 | 49 |
| 12 | 841 | 1275 | 2.67 | 586 | 5343 | | 692 | 5932 | | 4068 | 708 | 48 |
| 13 | 864 | 1436 | | 568 | 5244 | | 739 | 6192 | | 3808 | 700 | 47 |
| 14 | 887 | 1596 | | 550 | 5145 | | 786 | 6452 | | 3548 | 693 | 46 |
| 15 | 909 | 1757 | | 532 | 5045 | | 834 | 6712 | | 3288 | 685 | 45 |
| 16 | 932 | 1917 | | 514 | 4945 | | 881 | 6971 | | 3029 | 677 | 44 |
| 17 | 955 | 2077 | | 496 | 4846 | | 928 | 7231 | | 2769 | 670 | 43 |
| 18 | 978 | 2237 | 2.66 | 478 | 4746 | | 975 | 7491 | | 2509 | 662 | 42 |
| 19 | 62001 | 2397 | | 460 | 4646 | | 79022 | 7751 | | 2249 | 655 | 41 |
| 20 | 62024 | 9.792557 | 2.66 | 78442 | 9.894546 | 1.66 | 79070 | 9.898010 | 4.33 | 0.101990 | 1.2647 | 40 |
| 21 | 046 | 2716 | | 424 | 4446 | 1.67 | 117 | 8270 | | 1730 | 640 | 39 |
| 22 | 069 | 2876 | | 405 | 4346 | | 164 | 8530 | | 1470 | 632 | 38 |
| 23 | 092 | 3035 | | 387 | 4246 | | 212 | 8789 | | 1211 | 624 | 37 |
| 24 | 115 | 3195 | 2.65 | 369 | 4146 | | 259 | 9049 | 4.32 | 0951 | 617 | 36 |
| 25 | 138 | 3354 | | 351 | 4046 | | 306 | 9308 | | 0692 | 609 | 35 |
| 26 | 160 | 3514 | | 333 | 3946 | | 354 | 9568 | | 0432 | 602 | 34 |
| 27 | 183 | 3673 | | 315 | 3846 | | 401 | 9827 | | 0173 | 594 | 33 |
| 28 | 206 | 3832 | | 297 | 3745 | | 449 | 9.900087 | | 0.099913 | 587 | 32 |
| 29 | 229 | 3991 | | 279 | 3645 | | 496 | 0346 | | 9654 | 579 | 31 |
| 30 | 62251 | 9.794150 | 2.64 | 78261 | 9.893544 | 1.67 | 79544 | 9.900605 | 4.32 | 0.099395 | 1.2572 | 30 |
| 31 | 274 | 4308 | | 243 | 3444 | 1.68 | 591 | 0864 | | 9136 | 564 | 29 |
| 32 | 297 | 4467 | | 225 | 3343 | | 639 | 1124 | | 8876 | 557 | 28 |
| 33 | 320 | 4626 | | 206 | 3243 | | 686 | 1383 | | 8617 | 549 | 27 |
| 34 | 342 | 4784 | | 188 | 3142 | | 734 | 1642 | | 8358 | 542 | 26 |
| 35 | 365 | 4942 | | 170 | 3041 | | 781 | 1901 | | 8099 | 534 | 25 |
| 36 | 388 | 5101 | | 152 | 2940 | | 829 | 2160 | | 7840 | 527 | 24 |
| 37 | 411 | 5259 | 2.63 | 134 | 2839 | | 877 | 2420 | | 7580 | 519 | 23 |
| 38 | 433 | 5417 | | 116 | 2739 | | 924 | 2679 | | 7321 | 512 | 22 |
| 39 | 456 | 5575 | | 98 | 2638 | | 972 | 2938 | | 7062 | 504 | 21 |
| 40 | 62479 | 9.795733 | 2.63 | 78079 | 9.892536 | 1.68 | 80020 | 9.903197 | 4.31 | 0.096803 | 1.2497 | 20 |
| 41 | 502 | 5891 | | 061 | 2435 | 1.69 | 067 | 3456 | | 6544 | 489 | 19 |
| 42 | 524 | 6049 | | 043 | 2334 | | 115 | 3714 | | 6286 | 482 | 18 |
| 43 | 547 | 6206 | | 025 | 2233 | | 163 | 3973 | | 6027 | 475 | 17 |
| 44 | 570 | 6364 | 2.62 | 007 | 2132 | | 211 | 4232 | | 5768 | 467 | 16 |
| 45 | 592 | 6521 | | 77988 | 2030 | | 258 | 4491 | | 5509 | 460 | 15 |
| 46 | 615 | 6679 | | 970 | 1929 | | 306 | 4750 | | 5250 | 452 | 14 |
| 47 | 638 | 6836 | | 952 | 1827 | | 354 | 5008 | | 4992 | 445 | 13 |
| 48 | 660 | 6993 | | 934 | 1726 | | 402 | 5267 | | 4733 | 437 | 12 |
| 49 | 683 | 7150 | | 916 | 1624 | | 450 | 5526 | | 4474 | 430 | 11 |
| 50 | 62706 | 9.797307 | 2.61 | 77897 | 9.891523 | 1.70 | 80498 | 9.905785 | 4.31 | 0.094215 | 1.2423 | 10 |
| 51 | 728 | 7464 | | 879 | 1421 | | 546 | 6043 | | 3957 | 415 | 9 |
| 52 | 751 | 7621 | | 861 | 1319 | | 594 | 6302 | | 3698 | 408 | 8 |
| 53 | 774 | 7777 | | 843 | 1217 | | 642 | 6560 | | 3440 | 401 | 7 |
| 54 | 796 | 7934 | | 824 | 1115 | | 690 | 6819 | | 3181 | 393 | 6 |
| 55 | 819 | 8091 | | 806 | 1013 | | 738 | 7077 | | 2923 | 386 | 5 |
| 56 | 842 | 8247 | | 788 | 0911 | | 786 | 7336 | | 2664 | 378 | 4 |
| 57 | 864 | 8403 | 2.60 | 769 | 0809 | | 834 | 7594 | | 2406 | 371 | 3 |
| 58 | 887 | 8560 | | 751 | 0707 | | 882 | 7853 | | 2147 | 364 | 2 |
| 59 | 909 | 8716 | | 733 | 0605 | | 930 | 8111 | 4.30 | 1889 | 356 | 1 |
| 60 | 62932 | 9.798872 | | 77715 | 9.890503 | | 80978 | 9.908369 | | 0.091631 | 1.2349 | 0 |
| 128° | Cosines. | | | Sines. | | | Cotangents. | | | Tangents. | | 51° |
| | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Log. | Nat. | |

| 39° | Sines. | | | Cosines. | | | Tangents. | | | Cotangents. | | 140° |
|------|----------|----------|------|----------|----------|------|-------------|----------|------|-------------|--------|------|
| | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Log. | Nat. | |
| 0' | 62932 | 9.798872 | 2.60 | 77715 | 9.890503 | 1.70 | 80978 | 9.908369 | 4.30 | 0.091631 | 1.2349 | 60' |
| 1 | 955 | 9028 | | 696 | 0400 | 1.71 | 81027 | 8628 | | 1372 | 342 | 59 |
| 2 | 977 | 9184 | | 678 | 0298 | | 075 | 8886 | | 1114 | 334 | 58 |
| 3 | 63000 | 9339 | 2.59 | 660 | 0195 | | 123 | 144 | | 0856 | 327 | 57 |
| 4 | 022 | 9495 | | 641 | 0093 | | 171 | 9402 | | 0598 | 320 | 56 |
| 5 | 045 | 9651 | | 623 | 9.889990 | | 220 | 9660 | | 0340 | 312 | 55 |
| 6 | 068 | 9806 | | 605 | 9888 | | 268 | 9918 | | 0082 | 305 | 54 |
| 7 | 090 | 9962 | | 586 | 9785 | | 316 | 9.910177 | | 0.089823 | 298 | 53 |
| 8 | 113 | 9.800117 | | 568 | 9682 | | 364 | 0435 | | 9565 | 290 | 52 |
| 9 | 135 | 0272 | 2.58 | 550 | 9579 | | 413 | 0693 | | 9307 | 283 | 51 |
| 10 | 63158 | 9.800427 | 2.58 | 77531 | 9.889477 | 1.71 | 81461 | 9.910951 | 4.30 | 0.089049 | 1.2276 | 50 |
| 11 | 180 | 0582 | | 513 | 9374 | 1.72 | 510 | 1209 | | 8791 | 268 | 49 |
| 12 | 203 | 0737 | | 494 | 9271 | | 558 | 1467 | | 8533 | 261 | 48 |
| 13 | 225 | 0892 | | 476 | 9168 | | 606 | 1725 | | 8275 | 254 | 47 |
| 14 | 248 | 1047 | | 458 | 9064 | | 655 | 1982 | | 8018 | 247 | 46 |
| 15 | 271 | 1201 | | 439 | 8961 | | 703 | 2240 | | 7760 | 239 | 45 |
| 16 | 293 | 1356 | 2.57 | 421 | 8858 | | 752 | 2498 | | 7502 | 232 | 44 |
| 17 | 316 | 1511 | | 402 | 8755 | | 800 | 2756 | | 7244 | 225 | 43 |
| 18 | 338 | 1665 | | 384 | 8651 | | 849 | 3014 | 4.29 | 6986 | 218 | 42 |
| 19 | 361 | 1819 | | 366 | 8548 | | 898 | 3271 | | 6729 | 210 | 41 |
| 20 | 63383 | 9.801973 | 2.57 | 77347 | 9.888444 | 1.73 | 81946 | 9.913529 | 4.29 | 0.086471 | 1.2203 | 40 |
| 21 | 406 | 2128 | | 329 | 8341 | | 995 | 3787 | | 6213 | 196 | 39 |
| 22 | 428 | 2282 | 2.56 | 310 | 8237 | | 82044 | 4044 | | 5956 | 189 | 38 |
| 23 | 451 | 2436 | | 292 | 8134 | | 092 | 4302 | | 5698 | 181 | 37 |
| 24 | 473 | 2589 | | 273 | 8030 | | 141 | 4560 | | 5440 | 174 | 36 |
| 25 | 496 | 2743 | | 255 | 7926 | | 190 | 4817 | | 5183 | 167 | 35 |
| 26 | 518 | 2897 | | 236 | 7822 | | 238 | 5075 | | 4925 | 160 | 34 |
| 27 | 540 | 3050 | | 218 | 7718 | | 287 | 5332 | | 4668 | 153 | 33 |
| 28 | 563 | 3204 | | 199 | 7614 | | 336 | 5590 | | 4410 | 145 | 32 |
| 29 | 585 | 3357 | 2.55 | 181 | 7510 | | 385 | 5847 | | 4153 | 138 | 31 |
| 30 | 63608 | 9.803511 | 2.55 | 77162 | 9.887406 | 1.74 | 82434 | 9.916104 | 4.29 | 0.083896 | 1.2131 | 30 |
| 31 | 630 | 3664 | | 144 | 7302 | | 483 | 6362 | | 3638 | 124 | 29 |
| 32 | 653 | 3817 | | 125 | 7198 | | 531 | 6619 | | 3381 | 117 | 28 |
| 33 | 675 | 3970 | | 107 | 7093 | | 580 | 6877 | | 3123 | 109 | 27 |
| 34 | 698 | 4123 | | 088 | 6989 | | 629 | 7134 | | 2866 | 102 | 26 |
| 35 | 720 | 4276 | 2.54 | 070 | 6885 | | 678 | 7391 | | 2609 | 095 | 25 |
| 36 | 742 | 4428 | | 051 | 6780 | | 727 | 7648 | | 2352 | 088 | 24 |
| 37 | 765 | 4581 | | 033 | 6676 | | 776 | 7906 | | 2094 | 081 | 23 |
| 38 | 787 | 4734 | | 014 | 6571 | | 825 | 8163 | 4.28 | 1837 | 074 | 22 |
| 39 | 810 | 4886 | | 76996 | 6466 | | 874 | 8420 | | 1580 | 066 | 21 |
| 40 | 63832 | 9.805039 | 2.54 | 76977 | 9.886362 | 1.75 | 82923 | 9.918677 | 4.28 | 0.081323 | 1.2059 | 20 |
| 41 | 854 | 5191 | | 959 | 6257 | | 972 | 8934 | | 1066 | 052 | 19 |
| 42 | 877 | 5343 | 2.53 | 940 | 6152 | | 83022 | 9191 | | 0809 | 045 | 18 |
| 43 | 899 | 5495 | | 921 | 6047 | | 071 | 9448 | | 0552 | 038 | 17 |
| 44 | 922 | 5647 | | 903 | 5942 | | 120 | 9705 | | 0295 | 031 | 16 |
| 45 | 944 | 5799 | | 884 | 5837 | | 169 | 9962 | | 0038 | 024 | 15 |
| 46 | 966 | 5951 | | 866 | 5732 | | 218 | 9.920219 | | 0.079781 | 017 | 14 |
| 47 | 989 | 6103 | | 847 | 5627 | | 268 | 0476 | | 9524 | 010 | 13 |
| 48 | 64011 | 6254 | | 828 | 5522 | | 317 | 0733 | | 9267 | 002 | 12 |
| 49 | 033 | 6406 | 2.52 | 810 | 5416 | | 366 | 0990 | | 9010 | 1.1995 | 11 |
| 50 | 64056 | 9.806557 | 2.52 | 76791 | 9.885311 | 1.76 | 83415 | 9.921247 | 4.28 | 0.078753 | 1.1988 | 10 |
| 51 | 078 | 6709 | | 772 | 5205 | | 465 | 1503 | | 8497 | 981 | 9 |
| 52 | 100 | 6860 | | 754 | 5100 | | 514 | 1760 | | 8240 | 974 | 8 |
| 53 | 123 | 7011 | | 735 | 4994 | | 564 | 2017 | | 7983 | 967 | 7 |
| 54 | 145 | 7163 | | 717 | 4889 | | 613 | 2274 | | 7726 | 960 | 6 |
| 55 | 167 | 7314 | | 698 | 4783 | | 662 | 2530 | | 7470 | 953 | 5 |
| 56 | 190 | 7465 | 2.51 | 679 | 4677 | | 712 | 2787 | | 7213 | 946 | 4 |
| 57 | 212 | 7615 | | 661 | 4572 | | 761 | 3044 | | 6956 | 939 | 3 |
| 58 | 234 | 7766 | | 642 | 4466 | | 811 | 3300 | | 6700 | 932 | 2 |
| 59 | 256 | 7917 | | 623 | 4360 | | 860 | 3557 | 4.27 | 6443 | 925 | 1 |
| 60 | 64279 | 9.808067 | | 76604 | 9.884254 | | 83910 | 9.923814 | | 0.076186 | 1.1918 | 0 |
| 129° | Cosines. | | | Sines. | | | Cotangents. | | | Tangents. | | 50° |
| | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Log. | Nat. | |

| 40° | Sines. | | | Cosines. | | | Tangents. | | | Cotangents. | | 139° |
|------|----------|----------|------|----------|----------|------|-------------|----------|------|-------------|--------|------|
| | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Log. | Nat. | |
| 0' | 64279 | 9.808067 | 2.51 | 76604 | 9.884254 | 1.77 | 83910 | 9.923814 | 4.27 | 0.076186 | 1.1918 | 60' |
| 1 | 301 | 8218 | | 586 | 4148 | | 960 | 4070 | | 5930 | 910 | 59 |
| 2 | 323 | 8368 | | 567 | 4042 | | 84009 | 4327 | | 5673 | 903 | 58 |
| 3 | 346 | 8519 | 2.50 | 548 | 3936 | | 059 | 4583 | | 5417 | 896 | 57 |
| 4 | 368 | 8669 | | 530 | 3829 | | 108 | 4840 | | 5160 | 889 | 56 |
| 5 | 390 | 8819 | | 511 | 3723 | | 158 | 5096 | | 4904 | 882 | 55 |
| 6 | 412 | 8969 | | 492 | 3617 | | 208 | 5352 | | 4648 | 875 | 54 |
| 7 | 435 | 9119 | | 473 | 3510 | | 258 | 5609 | | 4391 | 868 | 53 |
| 8 | 457 | 9269 | | 455 | 3404 | | 307 | 5865 | | 4135 | 861 | 52 |
| 9 | 479 | 9419 | 2.49 | 436 | 3297 | 1.78 | 357 | 6122 | | 3878 | 854 | 51 |
| 10 | 64501 | 9.809569 | 2.49 | 76417 | 9.883191 | 1.78 | 84407 | 9.926378 | 4.27 | 0.073622 | 1.1847 | 50 |
| 11 | 524 | 9718 | | 398 | 3084 | | 457 | 6634 | | 3366 | 840 | 49 |
| 12 | 546 | 9868 | | 380 | 2977 | | 507 | 6890 | | 3110 | 833 | 48 |
| 13 | 568 | 9.810017 | | 361 | 2871 | | 556 | 7147 | | 2853 | 826 | 47 |
| 14 | 590 | 0167 | | 342 | 2764 | | 606 | 7403 | | 2597 | 819 | 46 |
| 15 | 612 | 0316 | 2.48 | 323 | 2657 | | 656 | 7659 | | 2341 | 812 | 45 |
| 16 | 635 | 0465 | | 304 | 2550 | | 706 | 7915 | | 2085 | 806 | 44 |
| 17 | 657 | 0614 | | 286 | 2443 | | 756 | 8171 | | 1829 | 799 | 43 |
| 18 | 679 | 0763 | | 267 | 2336 | 1.79 | 806 | 8427 | | 1573 | 792 | 42 |
| 19 | 701 | 0912 | | 248 | 2229 | | 856 | 8684 | | 1316 | 785 | 41 |
| 20 | 64723 | 9.811061 | 2.48 | 76229 | 9.882121 | 1.79 | 84906 | 9.928940 | 4.27 | 0.071060 | 1.1778 | 40 |
| 21 | 746 | 1210 | | 210 | 2014 | | 956 | 9196 | | 0804 | 771 | 39 |
| 22 | 768 | 1358 | | 192 | 1907 | | 85006 | 9452 | | 0548 | 764 | 38 |
| 23 | 790 | 1507 | 2.47 | 173 | 1799 | | 057 | 9708 | | 0292 | 757 | 37 |
| 24 | 812 | 1655 | | 154 | 1692 | | 107 | 9964 | 4.26 | 0036 | 750 | 36 |
| 25 | 834 | 1804 | | 135 | 1584 | | 157 | 9.930220 | | 0.069780 | 743 | 35 |
| 26 | 856 | 1952 | | 116 | 1477 | | 207 | 0475 | | 9525 | 736 | 34 |
| 27 | 878 | 2100 | | 097 | 1369 | | 257 | 0731 | | 9269 | 729 | 33 |
| 28 | 901 | 2248 | | 078 | 1261 | 1.80 | 308 | 0987 | | 9013 | 722 | 32 |
| 29 | 923 | 2396 | 2.46 | 059 | 1153 | | 358 | 1243 | | 8757 | 715 | 31 |
| 30 | 64945 | 9.812544 | 2.46 | 76041 | 9.881046 | 1.80 | 85408 | 9.931499 | 4.26 | 0.068501 | 1.1708 | 30 |
| 31 | 967 | 2692 | | 022 | 0938 | | 458 | 1755 | | 8245 | 702 | 29 |
| 32 | 989 | 2840 | | 003 | 0830 | | 509 | 2010 | | 7990 | 695 | 28 |
| 33 | 65011 | 2988 | | 75984 | 0722 | | 559 | 2266 | | 7734 | 688 | 27 |
| 34 | 033 | 3135 | | 965 | 0613 | | 610 | 2522 | | 7478 | 681 | 26 |
| 35 | 055 | 3283 | | 946 | 0505 | | 660 | 2778 | | 7222 | 674 | 25 |
| 36 | 077 | 3430 | | 927 | 0397 | | 710 | 3033 | | 6967 | 667 | 24 |
| 37 | 100 | 3578 | 2.45 | 908 | 0289 | 1.81 | 761 | 3289 | | 6711 | 660 | 23 |
| 38 | 122 | 3725 | | 889 | 0180 | | 811 | 3545 | | 6455 | 653 | 22 |
| 39 | 144 | 3872 | | 870 | 0072 | | 862 | 3800 | | 6200 | 647 | 21 |
| 40 | 65166 | 9.814019 | 2.45 | 75851 | 9.879963 | 1.81 | 85912 | 9.934056 | 4.26 | 0.065944 | 1.1640 | 20 |
| 41 | 188 | 4166 | | 832 | 9855 | | 963 | 4311 | | 5689 | 633 | 19 |
| 42 | 210 | 4313 | | 813 | 9746 | | 86014 | 4567 | | 5433 | 626 | 18 |
| 43 | 232 | 4460 | 2.44 | 794 | 9637 | | 064 | 4822 | | 5178 | 619 | 17 |
| 44 | 254 | 4607 | | 775 | 9529 | | 115 | 5078 | | 4922 | 612 | 16 |
| 45 | 276 | 4753 | | 756 | 9420 | | 166 | 5333 | | 4667 | 606 | 15 |
| 46 | 298 | 4900 | | 738 | 9311 | | 216 | 5589 | | 4411 | 599 | 14 |
| 47 | 320 | 5046 | | 719 | 9202 | 1.82 | 267 | 5844 | | 4156 | 592 | 13 |
| 48 | 342 | 5193 | | 700 | 9093 | | 318 | 6100 | | 3900 | 585 | 12 |
| 49 | 364 | 5339 | | 680 | 8984 | | 368 | 6355 | | 3645 | 578 | 11 |
| 50 | 65386 | 9.815485 | 2.43 | 75661 | 9.878875 | 1.82 | 86419 | 9.936611 | 4.26 | 0.063389 | 1.1571 | 10 |
| 51 | 408 | 5632 | | 642 | 8766 | | 470 | 6866 | 4.25 | 3134 | 565 | 9 |
| 52 | 430 | 5778 | | 623 | 8656 | | 521 | 7121 | | 2879 | 558 | 8 |
| 53 | 452 | 5924 | | 604 | 8547 | | 572 | 7377 | | 2623 | 551 | 7 |
| 54 | 474 | 6069 | | 585 | 8438 | | 623 | 7632 | | 2368 | 544 | 6 |
| 55 | 496 | 6215 | | 566 | 8328 | | 674 | 7887 | | 2113 | 538 | 5 |
| 56 | 518 | 6361 | | 547 | 8219 | 1.83 | 725 | 8142 | | 1858 | 531 | 4 |
| 57 | 540 | 6507 | 2.42 | 528 | 8109 | | 776 | 8398 | | 1602 | 524 | 3 |
| 58 | 562 | 6652 | | 509 | 7999 | | 827 | 8653 | | 1347 | 517 | 2 |
| 59 | 584 | 6798 | | 490 | 7890 | | 878 | 8908 | | 1092 | 510 | 1 |
| 60 | 65606 | 9.816943 | | 75471 | 9.877780 | | 86929 | 9.939163 | | 0.060837 | 1.1504 | 0 |
| 130° | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Log. | Nat. | 49° |
| | Cosines. | | | Sines. | | | Cotangents. | | | Tangents. | | |

| 41° | Sines. | | | Cosines. | | | Tangents. | | | Cotangents. | | 138° |
|------|----------|----------|------|----------|----------|------|-------------|----------|------|-------------|--------|------|
| | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Log. | Nat. | |
| 0' | 65606 | 9.816943 | 2.42 | 75471 | 9.877780 | 1.83 | 86929 | 9.939163 | 4.25 | 0.060837 | 1.1504 | 60' |
| 1 | 628 | 7088 | | 452 | 7670 | | 980 | 9418 | | 0582 | 497 | 59 |
| 2 | 650 | 7233 | | 433 | 7560 | | 87031 | 9673 | | 0327 | 490 | 58 |
| 3 | 672 | 7379 | | 414 | 7450 | | 082 | 9928 | | 0072 | 483 | 57 |
| 4 | 694 | 7524 | 2.41 | 395 | 7340 | | 133 | 9.940183 | | 0.059817 | 477 | 56 |
| 5 | 716 | 7668 | | 375 | 7230 | 1.84 | 184 | 0439 | | 9561 | 470 | 55 |
| 6 | 738 | 7813 | | 356 | 7120 | | 236 | 0694 | | 9306 | 463 | 54 |
| 7 | 759 | 7958 | | 337 | 7010 | | 287 | 0949 | | 9051 | 456 | 53 |
| 8 | 781 | 8103 | | 318 | 6899 | | 338 | 1204 | | 8796 | 450 | 52 |
| 9 | 803 | 8247 | | 299 | 6789 | | 389 | 1459 | | 8541 | 443 | 51 |
| 10 | 65825 | 9.818392 | 2.41 | 75280 | 9.876678 | 1.84 | 87441 | 9.941713 | 4.25 | 0.058287 | 1.1436 | 50 |
| 11 | 847 | 8536 | 2.40 | 261 | 6568 | | 492 | 1968 | | 8032 | 430 | 49 |
| 12 | 869 | 8681 | | 241 | 6457 | | 543 | 2223 | | 7777 | 423 | 48 |
| 13 | 891 | 8825 | | 222 | 6347 | | 595 | 2478 | | 7522 | 416 | 47 |
| 14 | 913 | 8969 | | 203 | 6236 | 1.85 | 646 | 2733 | | 7267 | 410 | 46 |
| 15 | 935 | 9113 | | 184 | 6125 | | 698 | 2988 | | 7012 | 403 | 45 |
| 16 | 956 | 9257 | | 165 | 6014 | | 749 | 3243 | | 6757 | 396 | 44 |
| 17 | 978 | 9401 | | 146 | 5904 | | 801 | 3498 | | 6502 | 389 | 43 |
| 18 | 66000 | 9545 | | 126 | 5793 | | 852 | 3752 | | 6248 | 383 | 42 |
| 19 | 022 | 9689 | 2.39 | 107 | 5682 | | 904 | 4007 | | 5993 | 376 | 41 |
| 20 | 66044 | 9.819832 | 2.39 | 75088 | 9.875571 | 1.85 | 87955 | 9.944262 | 4.25 | 0.055738 | 1.1369 | 40 |
| 21 | 066 | 9976 | | 069 | 5459 | | 88007 | 4517 | | 5483 | 363 | 39 |
| 22 | 088 | 9.820120 | | 050 | 5348 | | 059 | 4771 | 4.24 | 5229 | 356 | 38 |
| 23 | 109 | 0263 | | 030 | 5237 | | 110 | 5026 | | 4974 | 349 | 37 |
| 24 | 131 | 0406 | | 011 | 5126 | 1.86 | 162 | 5281 | | 4719 | 343 | 36 |
| 25 | 153 | 0550 | 2.38 | 74992 | 5014 | | 214 | 5535 | | 4465 | 336 | 35 |
| 26 | 175 | 0693 | | 973 | 4903 | | 265 | 5790 | | 4210 | 329 | 34 |
| 27 | 197 | 0836 | | 953 | 4791 | | 317 | 6045 | | 3955 | 323 | 33 |
| 28 | 218 | 0979 | | 934 | 4680 | | 369 | 6299 | | 3701 | 316 | 32 |
| 29 | 240 | 1122 | | 915 | 4568 | | 421 | 6554 | | 3446 | 310 | 31 |
| 30 | 66262 | 9.821265 | 2.38 | 74896 | 9.874456 | 1.86 | 88473 | 9.946808 | 4.24 | 0.053192 | 1.1303 | 30 |
| 31 | 284 | 1407 | | 876 | 4344 | | 524 | 7063 | | 2937 | 296 | 29 |
| 32 | 306 | 1550 | | 857 | 4232 | 1.87 | 576 | 7318 | | 2682 | 290 | 28 |
| 33 | 327 | 1693 | 2.37 | 838 | 4121 | | 628 | 7572 | | 2428 | 283 | 27 |
| 34 | 349 | 1835 | | 818 | 4009 | | 680 | 7827 | | 2173 | 276 | 26 |
| 35 | 371 | 1977 | | 799 | 3896 | | 732 | 8081 | | 1919 | 270 | 25 |
| 36 | 393 | 2120 | | 780 | 3784 | | 784 | 8335 | | 1665 | 263 | 24 |
| 37 | 414 | 2262 | | 760 | 3672 | | 836 | 8590 | | 1410 | 257 | 23 |
| 38 | 436 | 2404 | | 741 | 3560 | | 888 | 8844 | | 1156 | 250 | 22 |
| 39 | 458 | 2546 | | 722 | 3448 | | 940 | 9099 | | 0901 | 243 | 21 |
| 40 | 66480 | 9.822688 | 2.36 | 74703 | 9.873335 | 1.87 | 88992 | 9.949353 | 4.24 | 0.050647 | 1.1237 | 20 |
| 41 | 501 | 2830 | | 683 | 3223 | | 89045 | 9608 | | 0392 | 230 | 19 |
| 42 | 523 | 2972 | | 664 | 3110 | 1.88 | 097 | 9862 | | 0138 | 224 | 18 |
| 43 | 545 | 3114 | | 644 | 2998 | | 149 | 9.950116 | | 0.049884 | 217 | 17 |
| 44 | 566 | 3255 | | 625 | 2885 | | 201 | 0371 | | 9629 | 211 | 16 |
| 45 | 588 | 3397 | | 606 | 2772 | | 253 | 0625 | | 9375 | 204 | 15 |
| 46 | 610 | 3539 | | 586 | 2659 | | 306 | 0879 | | 9121 | 197 | 14 |
| 47 | 632 | 3680 | 2.35 | 567 | 2547 | | 358 | 1133 | | 8867 | 191 | 13 |
| 48 | 653 | 3821 | | 548 | 2434 | | 410 | 1388 | | 8612 | 184 | 12 |
| 49 | 675 | 3963 | | 528 | 2321 | | 463 | 1642 | | 8358 | 178 | 11 |
| 50 | 66697 | 9.824104 | 2.35 | 74509 | 9.872208 | 1.88 | 89515 | 9.951896 | 4.24 | 0.048104 | 1.1171 | 10 |
| 51 | 718 | 4245 | | 489 | 2095 | 1.89 | 567 | 2150 | | 7850 | 165 | 9 |
| 52 | 740 | 4386 | | 470 | 1981 | | 620 | 2405 | | 7595 | 158 | 8 |
| 53 | 762 | 4527 | | 451 | 1868 | | 672 | 2659 | | 7341 | 152 | 7 |
| 54 | 783 | 4668 | 2.34 | 431 | 1755 | | 725 | 2913 | | 7087 | 145 | 6 |
| 55 | 805 | 4808 | | 412 | 1641 | | 777 | 3167 | 4.23 | 6833 | 139 | 5 |
| 56 | 827 | 4949 | | 392 | 1528 | | 830 | 3421 | | 6579 | 132 | 4 |
| 57 | 848 | 5090 | | 373 | 1414 | | 882 | 3675 | | 6325 | 126 | 3 |
| 58 | 870 | 5230 | | 353 | 1301 | | 935 | 3929 | | 6071 | 119 | 2 |
| 59 | 891 | 5371 | | 334 | 1187 | | 988 | 4183 | | 5817 | 113 | 1 |
| 60 | 66913 | 9.825511 | | 74314 | 9.871073 | | 90040 | 9.954437 | | 0.045563 | 1.1106 | 0 |
| 131° | Cosines. | | | Sines. | | | Cotangents. | | | Tangents. | | 48° |
| | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Log. | Nat. | |

| 42° | Sines. | | | Cosines. | | | Tangents. | | | Cotangents. | | 137° |
|------|----------|----------|------|----------|----------|------|-------------|----------|------|-------------|--------|------|
| | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Log. | Nat. | |
| 0' | 66913 | 9.825511 | 2.34 | 74314 | 9.871073 | 1.90 | 90040 | 9.954437 | 4.23 | 0.045563 | 1.1106 | 60' |
| 1 | 935 | 5651 | 2.33 | 295 | 0960 | | 093 | 4691 | | 5309 | 100 | 59 |
| 2 | 956 | 5791 | | 276 | 0846 | | 146 | 4946 | | 5054 | 093 | 58 |
| 3 | 978 | 5931 | | 256 | 0732 | | 199 | 5200 | | 4800 | 087 | 57 |
| 4 | 999 | 6071 | | 237 | 0618 | | 251 | 5454 | | 4546 | 080 | 56 |
| 5 | 67021 | 6211 | | 217 | 0504 | | 304 | 5708 | | 4292 | 074 | 55 |
| 6 | 043 | 6351 | | 198 | 0390 | | 357 | 5961 | | 4039 | 067 | 54 |
| 7 | 064 | 6491 | | 178 | 0276 | | 410 | 6215 | | 3785 | 061 | 53 |
| 8 | 086 | 6631 | | 159 | 0161 | | 463 | 6469 | | 3531 | 054 | 52 |
| 9 | 107 | 6770 | 2.32 | 139 | 0047 | 1.91 | 516 | 6723 | | 3277 | 048 | 51 |
| 10 | 67129 | 9.826910 | 2.32 | 74120 | 9.869933 | 1.91 | 90569 | 9.956977 | 4.23 | 0.043023 | 1.1041 | 50 |
| 11 | 151 | 7049 | | 100 | 9818 | | 621 | 7231 | | 2769 | 035 | 49 |
| 12 | 172 | 7189 | | 080 | 9704 | | 674 | 7485 | | 2515 | 028 | 48 |
| 13 | 194 | 7328 | | 061 | 9589 | | 727 | 7739 | | 2261 | 022 | 47 |
| 14 | 215 | 7467 | | 041 | 9474 | | 781 | 7993 | | 2007 | 016 | 46 |
| 15 | 237 | 7606 | | 022 | 9360 | | 834 | 8247 | | 1753 | 009 | 45 |
| 16 | 258 | 7745 | | 002 | 9245 | | 887 | 8500 | | 1500 | 003 | 44 |
| 17 | 280 | 7884 | 2.31 | 73983 | 9130 | | 940 | 8754 | | 1246 | 1.0996 | 43 |
| 18 | 301 | 8023 | | 963 | 9015 | 1.92 | 993 | 9008 | | 0992 | 990 | 42 |
| 19 | 323 | 8162 | | 944 | 8900 | | 91046 | 9262 | | 0738 | 983 | 41 |
| 20 | 67344 | 9.828301 | 2.31 | 73924 | 9.868785 | 1.92 | 91099 | 9.959516 | 4.23 | 0.040484 | 1.0977 | 40 |
| 21 | 366 | 8439 | | 904 | 8670 | | 153 | 9769 | | 0231 | 971 | 39 |
| 22 | 387 | 8578 | | 885 | 8555 | | 206 | 9.960023 | | 0.039977 | 964 | 38 |
| 23 | 409 | 8716 | | 865 | 8440 | | 259 | 0277 | | 9723 | 958 | 37 |
| 24 | 430 | 8855 | 2.30 | 846 | 8324 | | 313 | 0530 | | 9470 | 951 | 36 |
| 25 | 452 | 8993 | | 826 | 8209 | | 366 | 0784 | | 9216 | 945 | 35 |
| 26 | 473 | 9131 | | 806 | 8093 | | 419 | 1038 | | 8962 | 939 | 34 |
| 27 | 495 | 9269 | | 787 | 7978 | 1.93 | 473 | 1292 | | 8708 | 932 | 33 |
| 28 | 516 | 9407 | | 767 | 7862 | | 526 | 1545 | | 8455 | 926 | 32 |
| 29 | 538 | 9545 | | 747 | 7747 | | 580 | 1799 | | 8201 | 919 | 31 |
| 30 | 67559 | 9.829683 | 2.30 | 73728 | 9.867631 | 1.93 | 91633 | 9.962052 | 4.23 | 0.037948 | 1.0913 | 30 |
| 31 | 580 | 9821 | 2.29 | 708 | 7515 | | 687 | 2306 | | 7694 | 907 | 29 |
| 32 | 602 | 9959 | | 688 | 7399 | | 740 | 2560 | | 7440 | 900 | 28 |
| 33 | 623 | 9.830097 | | 669 | 7283 | | 794 | 2813 | | 7187 | 894 | 27 |
| 34 | 645 | 0234 | | 649 | 7167 | | 847 | 3067 | | 6933 | 888 | 26 |
| 35 | 666 | 0372 | | 629 | 7051 | | 901 | 3320 | | 6680 | 881 | 25 |
| 36 | 688 | 0509 | | 610 | 6935 | 1.94 | 955 | 3574 | | 6426 | 875 | 24 |
| 37 | 709 | 0646 | | 590 | 6819 | | 92008 | 3828 | | 6172 | 869 | 23 |
| 38 | 730 | 0784 | | 570 | 6703 | | 062 | 4081 | | 5919 | 862 | 22 |
| 39 | 752 | 0921 | 2.28 | 551 | 6586 | | 116 | 4335 | 4.22 | 5665 | 856 | 21 |
| 40 | 67773 | 9.831058 | 2.28 | 73531 | 9.866470 | 1.94 | 92170 | 9.964588 | 4.22 | 0.035412 | 1.0850 | 20 |
| 41 | 795 | 1195 | | 511 | 6353 | | 224 | 4842 | | 5158 | 843 | 19 |
| 42 | 816 | 1332 | | 491 | 6237 | | 277 | 5095 | | 4905 | 837 | 18 |
| 43 | 837 | 1469 | | 472 | 6120 | | 331 | 5349 | | 4651 | 831 | 17 |
| 44 | 859 | 1606 | | 452 | 6004 | 1.95 | 385 | 5602 | | 4398 | 824 | 16 |
| 45 | 880 | 1742 | | 432 | 5887 | | 439 | 5855 | | 4145 | 818 | 15 |
| 46 | 901 | 1879 | | 413 | 5770 | | 493 | 6109 | | 3891 | 812 | 14 |
| 47 | 923 | 2015 | 2.27 | 393 | 5653 | | 547 | 6362 | | 3638 | 805 | 13 |
| 48 | 944 | 2152 | | 373 | 5536 | | 601 | 6616 | | 3384 | 799 | 12 |
| 49 | 965 | 2288 | | 353 | 5419 | | 655 | 6869 | | 3131 | 793 | 11 |
| 50 | 67987 | 9.832425 | 2.27 | 73333 | 9.865302 | 1.95 | 92709 | 9.967123 | 4.22 | 0.032877 | 1.0786 | 10 |
| 51 | 68008 | 2561 | | 314 | 5185 | | 763 | 7376 | | 2624 | 780 | 9 |
| 52 | 029 | 2697 | | 294 | 5068 | | 817 | 7629 | | 2371 | 774 | 8 |
| 53 | 051 | 2833 | | 274 | 4950 | | 872 | 7883 | | 2117 | 768 | 7 |
| 54 | 072 | 2969 | 2.26 | 254 | 4833 | 1.96 | 926 | 8136 | | 1864 | 761 | 6 |
| 55 | 093 | 3105 | | 234 | 4716 | | 980 | 8389 | | 1611 | 1.0755 | 5 |
| 56 | 115 | 3241 | | 215 | 4598 | | 93034 | 8643 | | 1357 | 749 | 4 |
| 57 | 136 | 3377 | | 195 | 4481 | | 088 | 8896 | | 1104 | 742 | 3 |
| 58 | 157 | 3512 | | 175 | 4363 | | 143 | 9149 | | 0851 | 736 | 2 |
| 59 | 179 | 3648 | | 155 | 4245 | | 197 | 9403 | | 0597 | 730 | 1 |
| 60 | 68200 | 9.833783 | | 73135 | 9.864127 | | 93252 | 9.969656 | | 0.030344 | 1.0724 | 0 |
| 132° | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Log. | Nat. | 47° |
| | Cosines. | | | Sines. | | | Cotangents. | | | Tangents. | | |

| 43° | Sines. | | | Cosines. | | | Tangents. | | | Cotangents. | | 136° |
|------|----------|----------|------|----------|----------|------|-------------|----------|------|-------------|--------|------|
| | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Log. | Nat. | |
| 0' | 68200 | 9.833783 | 2.26 | 73135 | 9.864127 | 1.96 | 93252 | 9.969656 | 4.22 | 0.030344 | 1.0724 | 60' |
| 1 | 221 | 3919 | 2.25 | 116 | 4010 | | 306 | 9909 | | 0091 | 717 | 59 |
| 2 | 242 | 4054 | | 096 | 3892 | 1.97 | 360 | 9.970162 | | 0.029838 | 711 | 58 |
| 3 | 264 | 4189 | | 076 | 3774 | | 415 | 0416 | | 9584 | 705 | 57 |
| 4 | 285 | 4325 | | 056 | 3656 | | 469 | 0669 | | 9331 | 699 | 56 |
| 5 | 306 | 4460 | | 036 | 3538 | | 524 | 0922 | | 9078 | 692 | 55 |
| 6 | 327 | 4595 | | 016 | 3419 | | 578 | 1175 | | 8825 | 686 | 54 |
| 7 | 349 | 4730 | | 72996 | 3301 | | 633 | 1429 | | 8571 | 680 | 53 |
| 8 | 370 | 4865 | | 976 | 3183 | | 688 | 1682 | | 8318 | 674 | 52 |
| 9 | 391 | 4999 | 2.24 | 957 | 3064 | | 742 | 1935 | | 8065 | 668 | 51 |
| 10 | 68412 | 9.835134 | 2.24 | 72937 | 9.862946 | 1.98 | 93797 | 9.972188 | 4.22 | 0.027812 | 1.0661 | 50 |
| 11 | 434 | 5269 | | 917 | 2827 | | 852 | 2441 | | 7559 | 655 | 49 |
| 12 | 455 | 5403 | | 897 | 2709 | | 906 | 2695 | | 7305 | 649 | 48 |
| 13 | 476 | 5538 | | 877 | 2590 | | 961 | 2948 | | 7052 | 643 | 47 |
| 14 | 497 | 5672 | | 857 | 2471 | | 94016 | 3201 | | 6799 | 637 | 46 |
| 15 | 518 | 5807 | | 837 | 2353 | | 071 | 3454 | | 6546 | 630 | 45 |
| 16 | 539 | 5941 | | 817 | 2234 | | 125 | 3707 | | 6293 | 624 | 44 |
| 17 | 561 | 6075 | 2.23 | 797 | 2115 | | 180 | 3960 | | 6040 | 618 | 43 |
| 18 | 582 | 6209 | | 777 | 1996 | | 235 | 4213 | | 5787 | 612 | 42 |
| 19 | 603 | 6343 | | 757 | 1877 | | 290 | 4466 | | 5534 | 606 | 41 |
| 20 | 68624 | 9.836477 | 2.23 | 72737 | 9.861758 | 1.99 | 94345 | 9.974720 | 4.22 | 0.025280 | 1.0599 | 40 |
| 21 | 645 | 6611 | | 717 | 1638 | | 406 | 4973 | | 5027 | 593 | 39 |
| 22 | 666 | 6745 | | 697 | 1519 | | 455 | 5226 | | 4774 | 587 | 38 |
| 23 | 688 | 6878 | | 677 | 1400 | | 510 | 5479 | | 4521 | 581 | 37 |
| 24 | 709 | 7012 | 2.22 | 657 | 1280 | | 565 | 5732 | | 4268 | 575 | 36 |
| 25 | 730 | 7146 | | 637 | 1161 | | 620 | 5985 | | 4015 | 569 | 35 |
| 26 | 751 | 7279 | | 617 | 1041 | | 676 | 6238 | | 3762 | 562 | 34 |
| 27 | 772 | 7412 | | 597 | 0922 | | 731 | 6491 | | 3509 | 556 | 33 |
| 28 | 793 | 7546 | | 577 | 0802 | | 786 | 6744 | | 3256 | 550 | 32 |
| 29 | 814 | 7679 | | 557 | 0682 | 2.00 | 841 | 6997 | | 3003 | 544 | 31 |
| 30 | 68835 | 9.837812 | 2.22 | 72537 | 9.860562 | 2.00 | 94896 | 9.977250 | 4.22 | 0.022750 | 1.0538 | 30 |
| 31 | 857 | 7945 | | 517 | 0442 | | 952 | 7503 | | 2497 | 532 | 29 |
| 32 | 878 | 8078 | 2.21 | 497 | 0322 | | 9500 | 7756 | | 2244 | 526 | 28 |
| 33 | 899 | 8211 | | 477 | 0202 | | 062 | 8009 | | 1991 | 519 | 27 |
| 34 | 920 | 8344 | | 457 | 0082 | | 118 | 8262 | | 1738 | 513 | 26 |
| 35 | 941 | 8477 | | 437 | 9.859962 | | 173 | 8515 | | 1485 | 507 | 25 |
| 36 | 962 | 8610 | | 417 | 9842 | | 229 | 8768 | | 1232 | 501 | 24 |
| 37 | 983 | 8742 | | 397 | 9721 | 2.01 | 284 | 9021 | | 0979 | 495 | 23 |
| 38 | 69004 | 8875 | | 377 | 9601 | | 340 | 9274 | | 0726 | 489 | 22 |
| 39 | 025 | 9007 | | 357 | 9480 | | 395 | 9527 | | 0473 | 483 | 21 |
| 40 | 69046 | 9.839140 | 2.20 | 72337 | 9.859360 | 2.01 | 95451 | 9.979780 | 4.22 | 0.020220 | 1.0477 | 20 |
| 41 | 067 | 9272 | | 317 | 9230 | | 506 | 9.980033 | | 0.019967 | 470 | 19 |
| 42 | 088 | 9404 | | 297 | 9119 | | 562 | 0286 | | 9714 | 464 | 18 |
| 43 | 109 | 9536 | | 277 | 8998 | | 618 | 0538 | | 9462 | 458 | 17 |
| 44 | 130 | 9668 | | 257 | 8877 | | 673 | 0791 | 4.21 | 9209 | 452 | 16 |
| 45 | 151 | 9800 | | 236 | 8756 | 2.02 | 729 | 1044 | | 8956 | 446 | 15 |
| 46 | 172 | 9932 | | 216 | 8635 | | 785 | 1297 | | 8703 | 440 | 14 |
| 47 | 193 | 9.840064 | 2.19 | 196 | 8514 | | 841 | 1550 | | 8450 | 434 | 13 |
| 48 | 214 | 0196 | | 176 | 8393 | | 897 | 1803 | | 8197 | 428 | 12 |
| 49 | 235 | 0328 | | 156 | 8272 | | 952 | 2056 | | 7944 | 422 | 11 |
| 50 | 69256 | 9.840459 | 2.19 | 72136 | 9.858151 | 2.02 | 96008 | 9.982309 | 4.21 | 0.017691 | 1.0416 | 10 |
| 51 | 277 | 0591 | | 116 | 8020 | | 064 | 2562 | | 7438 | 410 | 9 |
| 52 | 298 | 0722 | | 095 | 7908 | | 120 | 2814 | | 7186 | 404 | 8 |
| 53 | 319 | 0854 | | 075 | 7786 | | 176 | 3067 | | 6933 | 398 | 7 |
| 54 | 340 | 0985 | | 055 | 7665 | 2.03 | 232 | 3320 | | 6680 | 392 | 6 |
| 55 | 361 | 1116 | 2.18 | 035 | 7543 | | 288 | 3573 | | 6427 | 385 | 5 |
| 56 | 382 | 1247 | | 015 | 7422 | | 344 | 3826 | | 6174 | 379 | 4 |
| 57 | 403 | 1378 | | 71995 | 7300 | | 400 | 4079 | | 5921 | 373 | 3 |
| 58 | 424 | 1509 | | 974 | 7178 | | 457 | 4332 | | 5668 | 367 | 2 |
| 59 | 445 | 1640 | | 954 | 7056 | | 513 | 4584 | | 5416 | 361 | 1 |
| 60 | 69466 | 9.841771 | | 71934 | 9.856934 | | 96569 | 9.984837 | | 0.015163 | 1.0355 | 0 |
| 133° | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Log. | Nat. | 46° |
| | Cosines. | | | Sines. | | | Cotangents. | | | Tangents. | | |

| 44° | Sines. | | | Cosines. | | | Tangents. | | | Cotangents. | | 135° |
|------|----------|----------|------|----------|----------|------|-------------|----------|------|-------------|--------|------|
| | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Log. | Nat. | |
| 0' | 69466 | 9.841771 | 2.18 | 71934 | 9.856934 | 2.03 | 96569 | 9.984837 | 4.21 | 0.015163 | 1.0355 | 60' |
| 1 | 487 | 1902 | | 914 | 6812 | | 625 | 5090 | | 4910 | 349 | 59 |
| 2 | 508 | 2033 | | 894 | 6690 | 2.04 | 681 | 5343 | | 4657 | 343 | 58 |
| 3 | 529 | 2163 | 2.17 | 873 | 6568 | | 738 | 5596 | | 4404 | 337 | 57 |
| 4 | 549 | 2294 | | 853 | 6446 | | 794 | 5848 | | 4152 | 331 | 56 |
| 5 | 570 | 2424 | | 833 | 6323 | | 850 | 6101 | | 3899 | 325 | 55 |
| 6 | 591 | 2555 | | 813 | 6201 | | 907 | 6354 | | 3646 | 319 | 54 |
| 7 | 612 | 2685 | | 792 | 6078 | | 963 | 6607 | | 3393 | 313 | 53 |
| 8 | 633 | 2815 | | 772 | 5956 | | 97020 | 6860 | | 3140 | 307 | 52 |
| 9 | 654 | 2946 | | 752 | 5833 | | 076 | 7112 | | 2888 | 301 | 51 |
| 10 | 69675 | 9.843076 | 2.17 | 71732 | 9.855711 | 2.05 | 97133 | 9.987365 | 4.21 | 0.012635 | 1.0295 | 50 |
| 11 | 696 | 3206 | 2.16 | 711 | 5588 | | 189 | 7618 | | 2382 | 289 | 49 |
| 12 | 717 | 3336 | | 691 | 5465 | | 246 | 7871 | | 2129 | 283 | 48 |
| 13 | 737 | 3466 | | 671 | 5342 | | 302 | 8123 | | 1877 | 277 | 47 |
| 14 | 758 | 3595 | | 650 | 5219 | | 359 | 8376 | | 1624 | 271 | 46 |
| 15 | 779 | 3725 | | 630 | 5096 | | 416 | 8629 | | 1371 | 265 | 45 |
| 16 | 800 | 3855 | | 610 | 4973 | | 472 | 8882 | | 1118 | 259 | 44 |
| 17 | 821 | 3984 | | 590 | 4850 | | 529 | 9134 | | 0866 | 253 | 43 |
| 18 | 842 | 4114 | 2.15 | 569 | 4727 | 2.06 | 586 | 9387 | | 0613 | 247 | 42 |
| 19 | 862 | 4243 | | 549 | 4603 | | 643 | 9640 | | 0360 | 241 | 41 |
| 20 | 69883 | 9.844372 | 2.15 | 71529 | 9.854480 | 2.06 | 97700 | 9.989893 | 4.21 | 0.010107 | 1.0235 | 40 |
| 21 | 904 | 4502 | | 508 | 4356 | | 756 | 9.990145 | | 0.009855 | 230 | 39 |
| 22 | 925 | 4631 | | 488 | 4233 | | 813 | 0398 | | 9602 | 224 | 38 |
| 23 | 946 | 4760 | | 468 | 4109 | | 870 | 0651 | | 9349 | 218 | 37 |
| 24 | 966 | 4889 | | 447 | 3986 | | 927 | 0903 | | 9097 | 212 | 36 |
| 25 | 987 | 5018 | | 427 | 3862 | | 984 | 1156 | | 8844 | 206 | 35 |
| 26 | 70008 | 5147 | | 407 | 3738 | | 98041 | 1409 | | 8591 | 200 | 34 |
| 27 | 029 | 5276 | 2.14 | 386 | 3614 | 2.07 | 098 | 1662 | | 8338 | 194 | 33 |
| 28 | 049 | 5405 | | 366 | 3490 | | 155 | 1914 | | 8086 | 188 | 32 |
| 29 | 070 | 5533 | | 345 | 3366 | | 213 | 2167 | | 7833 | 182 | 31 |
| 30 | 70091 | 9.845662 | 2.14 | 71325 | 9.853242 | 2.07 | 98270 | 9.992420 | 4.21 | 0.007580 | 1.0176 | 30 |
| 31 | 112 | 5790 | | 305 | 3118 | | 327 | 2672 | | 7328 | 170 | 29 |
| 32 | 132 | 5919 | | 284 | 2994 | | 384 | 2925 | | 7075 | 164 | 28 |
| 33 | 153 | 6047 | | 264 | 2869 | | 441 | 3178 | | 6822 | 158 | 27 |
| 34 | 174 | 6175 | | 243 | 2745 | | 499 | 3431 | | 6569 | 152 | 26 |
| 35 | 195 | 6304 | | 223 | 2620 | | 556 | 3683 | | 6317 | 147 | 25 |
| 36 | 215 | 6432 | 2.13 | 203 | 2496 | 2.08 | 613 | 3936 | | 6064 | 141 | 24 |
| 37 | 236 | 6560 | | 182 | 2371 | | 671 | 4189 | | 5811 | 135 | 23 |
| 38 | 257 | 6688 | | 162 | 2247 | | 728 | 4441 | | 5559 | 129 | 22 |
| 39 | 277 | 6816 | | 141 | 2122 | | 786 | 4694 | | 5306 | 123 | 21 |
| 40 | 70298 | 9.846944 | 2.13 | 71121 | 9.851997 | 2.08 | 98843 | 9.994947 | 4.21 | 0.005053 | 1.0117 | 20 |
| 41 | 319 | 7071 | | 100 | 1872 | | 901 | 5199 | | 4801 | 111 | 19 |
| 42 | 339 | 7199 | | 080 | 1747 | | 958 | 5452 | | 4548 | 105 | 18 |
| 43 | 360 | 7327 | | 059 | 1622 | | 99016 | 5705 | | 4295 | 999 | 17 |
| 44 | 381 | 7454 | 2.12 | 039 | 1497 | 2.09 | 073 | 5957 | | 4043 | 094 | 16 |
| 45 | 70401 | 7582 | | 019 | 1372 | | 131 | 6210 | | 3790 | 088 | 15 |
| 46 | 422 | 7709 | | 70998 | 1246 | | 189 | 6463 | | 3537 | 082 | 14 |
| 47 | 443 | 7836 | | 978 | 1121 | | 247 | 6715 | | 3285 | 076 | 13 |
| 48 | 463 | 7964 | | 957 | 0996 | | 304 | 6968 | | 3032 | 070 | 12 |
| 49 | 484 | 8091 | | 937 | 0870 | | 362 | 7221 | | 2779 | 064 | 11 |
| 50 | 70505 | 9.848218 | 2.12 | 70916 | 9.850745 | 2.09 | 99420 | 9.997473 | 4.21 | 0.002527 | 1.0058 | 10 |
| 51 | 525 | 8345 | | 896 | 0619 | | 478 | 7726 | | 2274 | 062 | 9 |
| 52 | 546 | 8472 | 2.11 | 875 | 0493 | 2.10 | 536 | 7979 | | 2021 | 047 | 8 |
| 53 | 567 | 9599 | | 855 | 0368 | | 594 | 8231 | | 1769 | 041 | 7 |
| 54 | 587 | 8726 | | 834 | 0242 | | 652 | 8484 | | 1516 | 035 | 6 |
| 55 | 608 | 8852 | | 813 | 0116 | | 710 | 8737 | | 1263 | 029 | 5 |
| 56 | 628 | 8979 | | 793 | 9.849990 | | 768 | 8989 | | 1011 | 023 | 4 |
| 57 | 649 | 9106 | | 772 | 9864 | | 826 | 9242 | | 0758 | 017 | 3 |
| 58 | 670 | 9232 | | 752 | 9738 | | 884 | 9495 | | 0505 | 012 | 2 |
| 59 | 690 | 9359 | | 731 | 9611 | | 942 | 9747 | | 0253 | 006 | 1 |
| 60 | 70711 | 9.849485 | | 70711 | 9.849485 | | 1.0000 | 0.000000 | | 0.000000 | 1.0000 | 0 |
| 134° | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Nat. | Log. | Dif. | Log. | Nat. | 45° |
| | Cosines. | | | Sines. | | | Cotangents. | | | Tangents. | | |

| No. | Log. | No. | Log. | No. | Log. | No. | Log. | No. | Log. | No. | Log. |
|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|
| 0 | — ∞ | 60 | 4.094345 | 120 | 4.787492 | 180 | 5.192957 | 240 | 5.480639 | 300 | 5.703782 |
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| 4 | 1.386294 | 64 | 4.158883 | 124 | 4.820282 | 184 | 5.214936 | 244 | 7168 | 304 | 7028 |
| 5 | 1.609438 | 65 | 4.174387 | 125 | 8314 | 185 | 5.220356 | 245 | 5.501258 | 305 | 5.720312 |
| 6 | 1.791759 | 66 | 4.189655 | 126 | 4.836282 | 186 | 5747 | 246 | 5332 | 306 | 3585 |
| 7 | 1.945910 | 67 | 4.204693 | 127 | 4.844187 | 187 | 5.231109 | 247 | 9388 | 307 | 6848 |
| 8 | 2.079442 | 68 | 4.219508 | 128 | 4.852030 | 188 | 6442 | 248 | 5.513429 | 308 | 5.730100 |
| 9 | 2.197225 | 69 | 4.234107 | 129 | 9812 | 189 | 5.241747 | 249 | 7453 | 309 | 3341 |
| 10 | 2.302585 | 70 | 4.248495 | 130 | 4.867534 | 190 | 5.247024 | 250 | 5.521461 | 310 | 5.736572 |
| 11 | 2.397895 | 71 | 4.262680 | 131 | 4.875197 | 191 | 5.252273 | 251 | 5453 | 311 | 9793 |
| 12 | 2.484907 | 72 | 4.276666 | 132 | 4.882802 | 192 | 7495 | 252 | 9429 | 312 | 5.743003 |
| 13 | 2.564949 | 73 | 4.290459 | 133 | 4.890349 | 193 | 5.262690 | 253 | 5.533389 | 313 | 6203 |
| 14 | 2.639057 | 74 | 4.304065 | 134 | 7840 | 194 | 7858 | 254 | 7334 | 314 | 9393 |
| 15 | 2.708050 | 75 | 4.317488 | 135 | 4.905275 | 195 | 5.273000 | 255 | 5.541264 | 315 | 5.752573 |
| 16 | 2.772589 | 76 | 4.330733 | 136 | 4.912655 | 196 | 8115 | 256 | 5177 | 316 | 5742 |
| 17 | 2.833213 | 77 | 4.343805 | 137 | 9981 | 197 | 5.283204 | 257 | 9076 | 317 | 8902 |
| 18 | 2.890372 | 78 | 4.356709 | 138 | 4.927254 | 198 | 8267 | 258 | 5.552960 | 318 | 5.762051 |
| 19 | 2.944439 | 79 | 4.369448 | 139 | 4.934472 | 199 | 5.293305 | 259 | 6828 | 319 | 5191 |
| 20 | 2.995732 | 80 | 4.382027 | 140 | 4.941642 | 200 | 5.293317 | 260 | 5.560682 | 320 | 5.768321 |
| 21 | 3.044522 | 81 | 4.394449 | 141 | 8760 | 201 | 5.303305 | 261 | 4520 | 321 | 5.771441 |
| 22 | 3.091042 | 82 | 4.406719 | 142 | 4.955827 | 202 | 8268 | 262 | 8345 | 322 | 4552 |
| 23 | 3.135494 | 83 | 4.418841 | 143 | 4.962845 | 203 | 5.313206 | 263 | 5.572154 | 323 | 7652 |
| 24 | 3.178054 | 84 | 4.430817 | 144 | 9813 | 204 | 8120 | 264 | 5949 | 324 | 5.780744 |
| 25 | 3.218876 | 85 | 4.442651 | 145 | 4.976734 | 205 | 5.323010 | 265 | 9730 | 325 | 3825 |
| 26 | 3.258097 | 86 | 4.454347 | 146 | 4.983607 | 206 | 7876 | 266 | 5.533496 | 326 | 6897 |
| 27 | 3.295837 | 87 | 4.465908 | 147 | 4.990433 | 207 | 5.332719 | 267 | 7249 | 327 | 9960 |
| 28 | 3.332205 | 88 | 4.477337 | 148 | 7212 | 208 | 7538 | 268 | 5.590987 | 328 | 5.793014 |
| 29 | 3.367296 | 89 | 4.488636 | 149 | 5.003946 | 209 | 5.342334 | 269 | 4711 | 329 | 6058 |
| 30 | 3.401197 | 90 | 4.499810 | 150 | 5.010635 | 210 | 5.347108 | 270 | 5.598422 | 330 | 5.799093 |
| 31 | 3.433987 | 91 | 4.510860 | 151 | 7280 | 211 | 5.351858 | 271 | 5.602119 | 331 | 5.802118 |
| 32 | 3.465736 | 92 | 4.521789 | 152 | 5.023881 | 212 | 6586 | 272 | 5802 | 332 | 5135 |
| 33 | 3.496508 | 93 | 4.532599 | 153 | 5.030438 | 213 | 5.361292 | 273 | 9472 | 333 | 8142 |
| 34 | 3.526361 | 94 | 4.543295 | 154 | 6953 | 214 | 5976 | 274 | 5.613128 | 334 | 5.811141 |
| 35 | 3.555348 | 95 | 4.553877 | 155 | 4.043425 | 215 | 5.370638 | 275 | 6771 | 335 | 4131 |
| 36 | 3.583519 | 96 | 4.564348 | 156 | 9856 | 216 | 5278 | 276 | 5.620401 | 336 | 7111 |
| 37 | 3.610918 | 97 | 4.574711 | 157 | 5.056246 | 217 | 9897 | 277 | 4018 | 337 | 5.820083 |
| 38 | 3.637586 | 98 | 4.584967 | 158 | 5.062595 | 218 | 5.384495 | 278 | 7621 | 338 | 3046 |
| 39 | 3.663562 | 99 | 4.595120 | 159 | 8904 | 219 | 9072 | 279 | 5.631212 | 339 | 6000 |
| 40 | 3.688879 | 100 | 4.605170 | 160 | 5.075174 | 220 | 5.393628 | 280 | 5.634790 | 340 | 5.828946 |
| 41 | 3.713572 | 101 | 4.615121 | 161 | 5.081404 | 221 | 8163 | 281 | 8355 | 341 | 5.831882 |
| 42 | 3.737670 | 102 | 4.624973 | 162 | 7596 | 222 | 5.402677 | 282 | 5.641907 | 342 | 4811 |
| 43 | 3.761200 | 103 | 4.634729 | 163 | 5.093750 | 223 | 7172 | 283 | 5447 | 343 | 7730 |
| 44 | 3.784190 | 104 | 4.644391 | 164 | 9866 | 224 | 5.411646 | 284 | 8974 | 344 | 5.840642 |
| 45 | 3.806662 | 105 | 4.653960 | 165 | 5.105945 | 225 | 6100 | 285 | 5.652489 | 345 | 3544 |
| 46 | 3.828641 | 106 | 4.663439 | 166 | 5.111988 | 226 | 5.420535 | 286 | 5992 | 346 | 6439 |
| 47 | 3.850148 | 107 | 4.672829 | 167 | 7994 | 227 | 4950 | 287 | 9482 | 347 | 9325 |
| 48 | 3.871201 | 108 | 4.682131 | 168 | 5.123064 | 228 | 9346 | 288 | 5.662960 | 348 | 5.852202 |
| 49 | 3.891820 | 109 | 4.691348 | 169 | 9899 | 229 | 5.433722 | 289 | 6427 | 349 | 5072 |
| 50 | 3.912023 | 110 | 4.700480 | 170 | 5.135798 | 230 | 5.438079 | 290 | 5.669881 | 350 | 5.857933 |
| 51 | 3.931826 | 111 | 9530 | 171 | 5.141664 | 231 | 5.442418 | 291 | 5.673323 | 351 | 5.860786 |
| 52 | 3.951244 | 112 | 4.718499 | 172 | 7494 | 232 | 6737 | 292 | 6754 | 352 | 3631 |
| 53 | 3.970292 | 113 | 4.727388 | 173 | 5.153292 | 233 | 5.451038 | 293 | 5.680173 | 353 | 6468 |
| 54 | 3.988984 | 114 | 4.736198 | 174 | 9055 | 234 | 5321 | 294 | 3580 | 354 | 9297 |
| 55 | 4.007333 | 115 | 4.744932 | 175 | 5.164786 | 235 | 9586 | 295 | 6975 | 355 | 5.872118 |
| 56 | 4.025352 | 116 | 4.753590 | 176 | 5.170484 | 236 | 5.463832 | 296 | 5.690359 | 356 | 4931 |
| 57 | 4.043051 | 117 | 4.762174 | 177 | 6150 | 237 | 8060 | 297 | 3732 | 357 | 7736 |
| 58 | 4.060443 | 118 | 4.770685 | 178 | 5.181784 | 238 | 5.472271 | 298 | 7093 | 358 | 5.880533 |
| 59 | 4.077537 | 119 | 9123 | 179 | 7386 | 239 | 6464 | 299 | 5.700444 | 359 | 3322 |
| No. | Log. | No. | Log. | No. | Log. | No. | Log. | No. | Log. | No. | Log. |

| No. | Log. | No. | Log. | No. | Log. | No. | Log. | No. | Log. | No. | Log. |
|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|
| 360 | 5.886104 | 420 | 6.040255 | 480 | 6.173786 | 540 | 6.291569 | 600 | 6.396930 | 660 | 6.492240 |
| 361 | 8878 | 421 | 2633 | 481 | 5867 | 541 | 3419 | 601 | 8595 | 661 | 3754 |
| 362 | 5.891644 | 422 | 5005 | 482 | 7944 | 542 | 5266 | 602 | 6.400257 | 662 | 5266 |
| 363 | 4403 | 423 | 7372 | 483 | 6.180017 | 543 | 7109 | 603 | 1917 | 663 | 6775 |
| 364 | 7154 | 424 | 9733 | 484 | 2085 | 544 | 8949 | 604 | 3574 | 664 | 8282 |
| 365 | 9897 | 425 | 6.052089 | 485 | 4149 | 545 | 6.300786 | 605 | 5228 | 665 | 9787 |
| 366 | 5.902633 | 426 | 4439 | 486 | 6209 | 546 | 2619 | 606 | 6880 | 666 | 6.501290 |
| 367 | 5362 | 427 | 6784 | 487 | 8264 | 547 | 4449 | 607 | 8529 | 667 | 2790 |
| 368 | 8083 | 428 | 9123 | 488 | 6.190315 | 548 | 6275 | 608 | 6.410175 | 668 | 4288 |
| 369 | 5.910797 | 429 | 6.061457 | 489 | 2362 | 549 | 8098 | 609 | 1818 | 669 | 5784 |
| 370 | 5.913503 | 430 | 6.063785 | 490 | 6.194405 | 550 | 6.309918 | 610 | 6.413459 | 670 | 6.507278 |
| 371 | 6202 | 431 | 6108 | 491 | 6444 | 551 | 6.311735 | 611 | 5097 | 671 | 8769 |
| 372 | 8894 | 432 | 8426 | 492 | 8479 | 552 | 3548 | 612 | 6732 | 672 | 6.510258 |
| 373 | 5.921578 | 433 | 6.070738 | 493 | 6.200509 | 553 | 5358 | 613 | 8365 | 673 | 1745 |
| 374 | 4256 | 434 | 3045 | 494 | 2536 | 554 | 7165 | 614 | 9995 | 674 | 3230 |
| 375 | 6926 | 435 | 5346 | 495 | 4558 | 555 | 8968 | 615 | 6.421622 | 675 | 4713 |
| 376 | 9589 | 436 | 7642 | 496 | 6576 | 556 | 6.320768 | 616 | 3247 | 676 | 6193 |
| 377 | 5.932245 | 437 | 9933 | 497 | 8590 | 557 | 2565 | 617 | 4869 | 677 | 7671 |
| 378 | 4894 | 438 | 6.082219 | 498 | 6.210600 | 558 | 4359 | 618 | 6488 | 678 | 9147 |
| 379 | 7536 | 439 | 4499 | 499 | 2606 | 559 | 6149 | 619 | 8105 | 679 | 6.520621 |
| 380 | 5.940171 | 440 | 6.086775 | 500 | 6.214608 | 560 | 6.327937 | 620 | 6.429719 | 680 | 6.522093 |
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| 383 | 8035 | 443 | 3570 | 503 | 6.220590 | 563 | 3280 | 623 | 4547 | 683 | 6495 |
| 384 | 5.950643 | 444 | 5825 | 504 | 2576 | 564 | 5054 | 624 | 6150 | 684 | 7958 |
| 385 | 3243 | 445 | 8074 | 505 | 4558 | 565 | 6826 | 625 | 7752 | 685 | 9419 |
| 386 | 5837 | 446 | 6.100319 | 506 | 6537 | 566 | 8594 | 626 | 9350 | 686 | 6.530878 |
| 387 | 8425 | 447 | 2559 | 507 | 8511 | 567 | 6.340359 | 627 | 6.440947 | 687 | 2334 |
| 388 | 5.961005 | 448 | 4793 | 508 | 6.230481 | 568 | 2121 | 628 | 2540 | 688 | 3789 |
| 389 | 3579 | 449 | 7023 | 509 | 2448 | 569 | 3880 | 629 | 4131 | 689 | 5241 |
| 390 | 5.966147 | 450 | 6.109248 | 510 | 6.234411 | 570 | 6.345636 | 630 | 6.445720 | 690 | 6.536692 |
| 391 | 8708 | 451 | 6.111467 | 511 | 6370 | 571 | 7389 | 631 | 7306 | 691 | 8140 |
| 392 | 5.971262 | 452 | 3682 | 512 | 8325 | 572 | 9139 | 632 | 8889 | 692 | 9586 |
| 393 | 3810 | 453 | 5892 | 513 | 6.240276 | 573 | 6.350886 | 633 | 6.450470 | 693 | 6.541030 |
| 394 | 6351 | 454 | 8097 | 514 | 2223 | 574 | 2629 | 634 | 2049 | 694 | 2472 |
| 395 | 8880 | 455 | 6.120297 | 515 | 4167 | 575 | 4370 | 635 | 3625 | 695 | 3912 |
| 396 | 5.981414 | 456 | 2493 | 516 | 6107 | 576 | 6108 | 636 | 5199 | 696 | 5350 |
| 397 | 3936 | 457 | 4683 | 517 | 8043 | 577 | 7842 | 637 | 6770 | 697 | 6785 |
| 398 | 6452 | 458 | 6869 | 518 | 9975 | 578 | 9574 | 638 | 8338 | 698 | 8219 |
| 399 | 8961 | 459 | 9050 | 519 | 6.251904 | 579 | 6.361302 | 639 | 9904 | 699 | 9651 |
| 400 | 5.991465 | 460 | 6.131226 | 520 | 6.253829 | 580 | 6.363028 | 640 | 6.461468 | 700 | 6.551080 |
| 401 | 3961 | 461 | 3398 | 521 | 5750 | 581 | 4751 | 641 | 3029 | 701 | 2508 |
| 402 | 6452 | 462 | 5565 | 522 | 7668 | 582 | 6470 | 642 | 4588 | 702 | 3933 |
| 403 | 8937 | 463 | 7727 | 523 | 9581 | 583 | 8187 | 643 | 6145 | 703 | 5357 |
| 404 | 6.001415 | 464 | 9885 | 524 | 6.261492 | 584 | 9901 | 644 | 7699 | 704 | 6778 |
| 405 | 3887 | 465 | 6.142037 | 525 | 3398 | 585 | 6.371612 | 645 | 9250 | 705 | 8198 |
| 406 | 6353 | 466 | 4186 | 526 | 5301 | 586 | 3320 | 646 | 6.470800 | 706 | 9615 |
| 407 | 8813 | 467 | 6329 | 527 | 7201 | 587 | 5025 | 647 | 2346 | 707 | 6.561031 |
| 408 | 6.011267 | 468 | 8468 | 528 | 9096 | 588 | 6727 | 648 | 3891 | 708 | 2444 |
| 409 | 3715 | 469 | 6.150603 | 529 | 6.270988 | 589 | 8426 | 649 | 5433 | 709 | 3856 |
| 410 | 6.016157 | 470 | 6.152733 | 530 | 6.272877 | 590 | 6.380123 | 650 | 6.476972 | 710 | 6.565265 |
| 411 | 8593 | 471 | 4858 | 531 | 4762 | 591 | 1816 | 651 | 8510 | 711 | 6672 |
| 412 | 6.021023 | 472 | 6979 | 532 | 6643 | 592 | 3507 | 652 | 6.480045 | 712 | 8078 |
| 413 | 3448 | 473 | 9095 | 533 | 8521 | 593 | 5194 | 653 | 1577 | 713 | 9481 |
| 414 | 5866 | 474 | 6.161207 | 534 | 6.280396 | 594 | 6879 | 654 | 3107 | 714 | 6.570883 |
| 415 | 8279 | 475 | 3315 | 535 | 2267 | 595 | 8561 | 655 | 4635 | 715 | 2283 |
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| 417 | 3086 | 477 | 7516 | 537 | 5998 | 597 | 1917 | 657 | 7684 | 717 | 5076 |
| 418 | 5481 | 478 | 9611 | 538 | 7859 | 598 | 3591 | 658 | 9205 | 718 | 6470 |
| 419 | 7871 | 479 | 6.171701 | 539 | 9716 | 599 | 5262 | 659 | 6.490724 | 719 | 7861 |
| No. | Log. | No. | Log. | No. | Log. | No. | Log. | No. | Log. | No. | Log. |

| No. | Log. | No. | Log. | No. | Log. | No. | Log. | No. | Log. | No. | Log. |
|-----|----------|-----|----------|-----|----------|-----|----------|------|----------|------|-----------|
| 720 | 6.579251 | 780 | 6.659294 | 840 | 6.733402 | 900 | 6.802395 | 960 | 6.866933 | 1020 | 6.927558 |
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| 722 | 2025 | 782 | 1855 | 842 | 5780 | 902 | 4615 | 962 | 9014 | 1022 | 9517 |
| 723 | 3409 | 783 | 3133 | 843 | 6967 | 903 | 5723 | 963 | 6.870053 | 1023 | 6.930495 |
| 724 | 4791 | 784 | 4409 | 844 | 8152 | 904 | 6829 | 964 | 1091 | 1024 | 1472 |
| 725 | 6172 | 785 | 5684 | 845 | 9337 | 905 | 7935 | 965 | 2128 | 1025 | 2448 |
| 726 | 7550 | 786 | 6957 | 846 | 6.740519 | 906 | 9039 | 966 | 3164 | 1026 | 3423 |
| 727 | 8926 | 787 | 8228 | 847 | 1701 | 907 | 6.810142 | 967 | 4198 | 1027 | 4397 |
| 728 | 6.590301 | 788 | 9498 | 848 | 2881 | 908 | 1244 | 968 | 5232 | 1028 | 5370 |
| 729 | 1674 | 789 | 6.670766 | 849 | 4059 | 909 | 2345 | 969 | 6265 | 1029 | 6343 |
| 730 | 6.593045 | 790 | 6.672033 | 850 | 6.745236 | 910 | 6.813445 | 970 | 6.877296 | 1030 | 6.937314 |
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| 733 | 7146 | 793 | 5823 | 853 | 8760 | 913 | 6736 | 973 | 6.880384 | 1033 | 6.940222 |
| 734 | 8509 | 794 | 7083 | 854 | 9931 | 914 | 7831 | 974 | 1411 | 1034 | 1190 |
| 735 | 9870 | 795 | 8342 | 855 | 6.751101 | 915 | 8924 | 975 | 2437 | 1035 | 2157 |
| 736 | 6.601230 | 796 | 9599 | 856 | 2270 | 916 | 6.820016 | 976 | 3463 | 1036 | 3122 |
| 737 | 2588 | 797 | 6.680855 | 857 | 3438 | 917 | 1107 | 977 | 4487 | 1037 | 4087 |
| 738 | 3944 | 798 | 2109 | 858 | 4604 | 918 | 2197 | 978 | 5510 | 1038 | 5051 |
| 739 | 5298 | 799 | 3361 | 859 | 5769 | 919 | 3286 | 979 | 6532 | 1039 | 6014 |
| 740 | 6.606650 | 800 | 6.684612 | 860 | 6.756932 | 920 | 6.824374 | 980 | 6.887553 | 1040 | 6.946976 |
| 741 | 8001 | 801 | 5861 | 861 | 8095 | 921 | 5460 | 981 | 8572 | 1041 | 7937 |
| 742 | 9349 | 802 | 7109 | 862 | 9255 | 922 | 6545 | 982 | 9591 | 1042 | 8897 |
| 743 | 6.610696 | 803 | 8355 | 863 | 6.760415 | 923 | 7629 | 983 | 6.890609 | 1043 | 9856 |
| 744 | 2041 | 804 | 9599 | 864 | 1573 | 924 | 8712 | 984 | 1626 | 1044 | 6.950815 |
| 745 | 3384 | 805 | 6.690842 | 865 | 2730 | 925 | 9794 | 985 | 2642 | 1045 | 1772 |
| 746 | 4726 | 806 | 2084 | 866 | 3885 | 926 | 6.830874 | 986 | 3656 | 1046 | 2729 |
| 747 | 6065 | 807 | 3324 | 867 | 5039 | 927 | 1954 | 987 | 4670 | 1047 | 3684 |
| 748 | 7403 | 808 | 4562 | 868 | 6192 | 928 | 3032 | 988 | 5683 | 1048 | 4639 |
| 749 | 8739 | 809 | 5799 | 869 | 7343 | 929 | 4109 | 989 | 6694 | 1049 | 5593 |
| 750 | 6.620073 | 810 | 6.697034 | 870 | 6.768493 | 930 | 6.835185 | 990 | 6.897705 | 1050 | 6.956545 |
| 751 | 1406 | 811 | 8268 | 871 | 9642 | 931 | 6259 | 991 | 8715 | 1051 | 7497 |
| 752 | 2736 | 812 | 9500 | 872 | 6.770789 | 932 | 7333 | 992 | 9723 | 1052 | 8448 |
| 753 | 4065 | 813 | 6.700731 | 873 | 1936 | 933 | 8405 | 993 | 6.900731 | 1053 | 9399 |
| 754 | 5392 | 814 | 1960 | 874 | 3080 | 934 | 9476 | 994 | 1737 | 1054 | 6.960348 |
| 755 | 6718 | 815 | 3188 | 875 | 4224 | 935 | 6.840547 | 995 | 2743 | 1055 | 1296 |
| 756 | 8041 | 816 | 4414 | 876 | 5366 | 936 | 1615 | 996 | 3747 | 1056 | 2243 |
| 757 | 9363 | 817 | 5639 | 877 | 6507 | 937 | 2683 | 997 | 4751 | 1057 | 3190 |
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| 759 | 2002 | 819 | 8084 | 879 | 8785 | 939 | 4815 | 999 | 6755 | 1059 | 5080 |
| 760 | 6.633318 | 820 | 6.709304 | 880 | 6.779922 | 940 | 6.845880 | 1000 | 6.907755 | 1060 | 6.9606024 |
| 761 | 4633 | 821 | 6.710523 | 881 | 6.781058 | 941 | 6943 | 1001 | 8755 | 1061 | 6967 |
| 762 | 5947 | 822 | 1740 | 882 | 2192 | 942 | 8005 | 1002 | 9753 | 1062 | 7909 |
| 763 | 7258 | 823 | 2956 | 883 | 3325 | 943 | 9066 | 1003 | 6.910751 | 1063 | 8850 |
| 764 | 8568 | 824 | 4171 | 884 | 4457 | 944 | 6.850126 | 1004 | 1747 | 1064 | 9791 |
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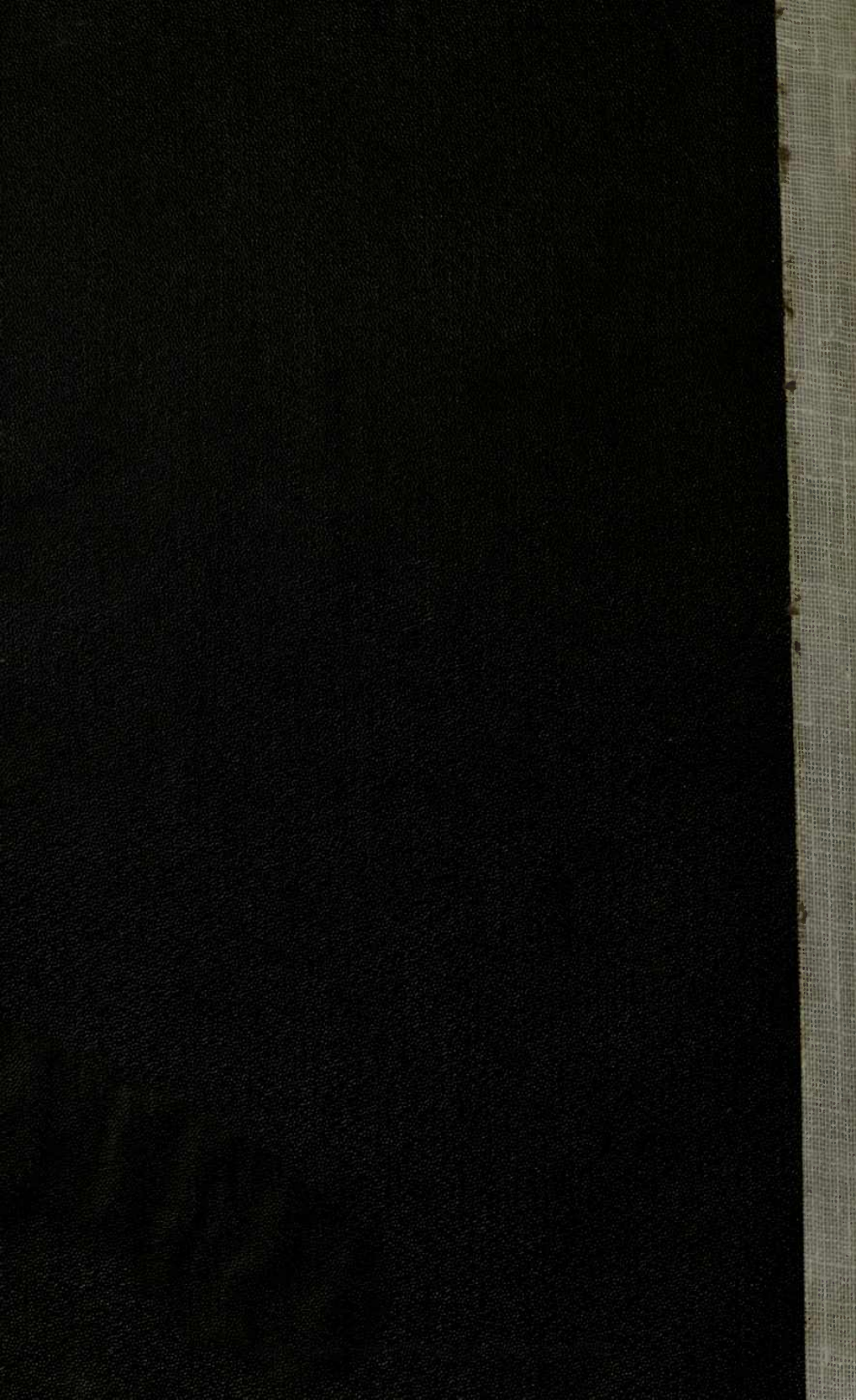
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