

| Min. | 42. Grad. | | Min. | 47. Grad. | |
|------|-----------|-----------|------|-----------|------------|
| | Seno. | Tangente. | | Seno. | Tangente. |
| 0 | 9.8255109 | 9.9544374 | 60 | 9.8710735 | 10.0455626 |
| 1 | 9.8256512 | 9.9546915 | 59 | 9.8709597 | 10.0453085 |
| 2 | 9.8257913 | 9.9549455 | 58 | 9.8708458 | 10.0450545 |
| 3 | 9.8259314 | 9.9551995 | 57 | 9.8707319 | 10.0448005 |
| 4 | 9.8260715 | 9.9554535 | 56 | 9.8706179 | 10.0445465 |
| 5 | 9.8262114 | 9.9557075 | 55 | 9.8705039 | 10.0442925 |
| 6 | 9.8263512 | 9.9559615 | 54 | 9.8703898 | 10.0440385 |
| 7 | 9.8264910 | 9.9562154 | 53 | 9.8702756 | 10.0437846 |
| 8 | 9.8266307 | 9.9564694 | 52 | 9.8701613 | 10.0435306 |
| 9 | 9.8267703 | 9.9567233 | 51 | 9.8700470 | 10.0432767 |
| 10 | 9.8269098 | 9.9569772 | 50 | 9.8699326 | 10.0430228 |
| 11 | 9.8270493 | 9.9572311 | 49 | 9.8698182 | 10.0427689 |
| 12 | 9.8271887 | 9.9574850 | 48 | 9.8697037 | 10.0425150 |
| 13 | 9.8273279 | 9.9577389 | 47 | 9.8695891 | 10.0422611 |
| 14 | 9.8274671 | 9.9579927 | 46 | 9.8694744 | 10.0420073 |
| 15 | 9.8276063 | 9.9582465 | 45 | 9.8693597 | 10.0417535 |
| 16 | 9.8277453 | 9.9585004 | 44 | 9.8692449 | 10.0414996 |
| 17 | 9.8278843 | 9.9587542 | 43 | 9.8691301 | 10.0412458 |
| 18 | 9.8280231 | 9.9590080 | 42 | 9.8690152 | 10.0409920 |
| 19 | 9.8281619 | 9.9592618 | 41 | 9.8689002 | 10.0407385 |
| 20 | 9.8283006 | 9.9595155 | 40 | 9.8687851 | 10.0404845 |
| 21 | 9.8284393 | 9.9597693 | 39 | 9.8686700 | 10.0402307 |
| 22 | 9.8285778 | 9.9600230 | 38 | 9.8685548 | 10.0399770 |
| 23 | 9.8287163 | 9.9602767 | 37 | 9.8684396 | 10.0397233 |
| 24 | 9.8288547 | 9.9605305 | 36 | 9.8683242 | 10.0394695 |
| 25 | 9.8289930 | 9.9607842 | 35 | 9.8682088 | 10.0392158 |
| 26 | 9.8291312 | 9.9610378 | 34 | 9.8680934 | 10.0389622 |
| 27 | 9.8292694 | 9.9612915 | 33 | 9.8679779 | 10.0387085 |
| 28 | 9.8294075 | 9.9615452 | 32 | 9.8678623 | 10.0384548 |
| 29 | 9.8295454 | 9.9617988 | 31 | 9.8677466 | 10.0382012 |
| 30 | 9.8296833 | 9.9620525 | 30 | 9.8676309 | 10.0379475 |

| Min. | 42. Grad. | | Min. | 47. Grad. | |
|------|-----------|-----------|------|-----------|------------|
| | Seno. | Tangente. | | Seno. | Tangente. |
| 30 | 9.8296833 | 9.9620525 | 30 | 9.8676309 | 10.0379475 |
| 31 | 9.8298212 | 9.9623061 | 29 | 9.8675151 | 10.0376939 |
| 32 | 9.8299589 | 9.9625597 | 28 | 9.8673992 | 10.0374403 |
| 33 | 9.8300966 | 9.9628133 | 27 | 9.8672833 | 10.0371867 |
| 34 | 9.8302342 | 9.9630669 | 26 | 9.8671673 | 10.0369331 |
| 35 | 9.8303717 | 9.9633204 | 25 | 9.8670512 | 10.0366796 |
| 36 | 9.8305091 | 9.9635740 | 24 | 9.8669351 | 10.0364260 |
| 37 | 9.8306464 | 9.9638275 | 23 | 9.8668189 | 10.0361725 |
| 38 | 9.8307837 | 9.9640811 | 22 | 9.8667026 | 10.0359189 |
| 39 | 9.8309209 | 9.9643346 | 21 | 9.8665863 | 10.0356654 |
| 40 | 9.8310580 | 9.9645881 | 20 | 9.8664699 | 10.0354119 |
| 41 | 9.8311950 | 9.9648416 | 19 | 9.8663534 | 10.0351584 |
| 42 | 9.8313320 | 9.9650951 | 18 | 9.8662369 | 10.0349049 |
| 43 | 9.8314688 | 9.9653486 | 17 | 9.8661203 | 10.0346514 |
| 44 | 9.8316056 | 9.9656020 | 16 | 9.8660036 | 10.0343980 |
| 45 | 9.8317423 | 9.9658555 | 15 | 9.8658868 | 10.0341445 |
| 46 | 9.8318789 | 9.9661089 | 14 | 9.8657700 | 10.0338911 |
| 47 | 9.8320155 | 9.9663623 | 13 | 9.8656531 | 10.0336377 |
| 48 | 9.8321519 | 9.9666157 | 12 | 9.8655362 | 10.0333843 |
| 49 | 9.8322883 | 9.9668692 | 11 | 9.8654192 | 10.0331308 |
| 50 | 9.8324246 | 9.9671225 | 10 | 9.8653021 | 10.0328775 |
| 51 | 9.8325609 | 9.9673759 | 9 | 9.8651849 | 10.0326241 |
| 52 | 9.8326970 | 9.9676293 | 8 | 9.8650677 | 10.0323707 |
| 53 | 9.8328331 | 9.9678827 | 7 | 9.8649504 | 10.0321173 |
| 54 | 9.8329691 | 9.9681360 | 6 | 9.8648331 | 10.0318640 |
| 55 | 9.8331050 | 9.9683893 | 5 | 9.8647156 | 10.0316107 |
| 56 | 9.8332408 | 9.9686427 | 4 | 9.8645981 | 10.0313573 |
| 57 | 9.8333766 | 9.9688960 | 3 | 9.8644806 | 10.0311040 |
| 58 | 9.8335122 | 9.9691493 | 2 | 9.8643629 | 10.0308507 |
| 59 | 9.8336478 | 9.9694026 | 1 | 9.8642452 | 10.0305974 |
| 60 | 9.8337833 | 9.9696559 | 0 | 9.8641275 | 10.0303441 |

| Min. | 43. Grad. | | Min. | 46. Grad. | |
|------|-----------|-----------|------|-----------|------------|
| | Seno. | Tangente. | | Seno. | Tangente. |
| 0 | 9.8337833 | 9.9696559 | 60 | 9.8641275 | 10.0303441 |
| 1 | 9.8339198 | 9.9699091 | 59 | 9.8640096 | 10.0300909 |
| 2 | 9.8340541 | 9.9701624 | 58 | 9.8638917 | 10.0298376 |
| 3 | 9.8341894 | 9.9704157 | 57 | 9.8637737 | 10.0295843 |
| 4 | 9.8343246 | 9.9706689 | 56 | 9.8636557 | 10.0293311 |
| 5 | 9.8344597 | 9.9709221 | 55 | 9.8635376 | 10.0290779 |
| 6 | 9.8345948 | 9.9711754 | 54 | 9.8634194 | 10.0288246 |
| 7 | 9.8347297 | 9.9714286 | 53 | 9.8633011 | 10.0285714 |
| 8 | 9.8348646 | 9.9716818 | 52 | 9.8631828 | 10.0283182 |
| 9 | 9.8349994 | 9.9719350 | 51 | 9.8630644 | 10.0280650 |
| 10 | 9.8351341 | 9.9721882 | 50 | 9.8629460 | 10.0278118 |
| 11 | 9.8352688 | 9.9724413 | 49 | 9.8628274 | 10.0275587 |
| 12 | 9.8354033 | 9.9726945 | 48 | 9.8627088 | 10.0273055 |
| 13 | 9.8355378 | 9.9729477 | 47 | 9.8625902 | 10.0270523 |
| 14 | 9.8356722 | 9.9732008 | 46 | 9.8624714 | 10.0267992 |
| 15 | 9.8358066 | 9.9734539 | 45 | 9.8623526 | 10.0265461 |
| 16 | 9.8359408 | 9.9737071 | 44 | 9.8622338 | 10.0262929 |
| 17 | 9.8360750 | 9.9739602 | 43 | 9.8621148 | 10.0260398 |
| 18 | 9.8362091 | 9.9742133 | 42 | 9.8619958 | 10.0257867 |
| 19 | 9.8363431 | 9.9744664 | 41 | 9.8618767 | 10.0255336 |
| 20 | 9.8364771 | 9.9747195 | 40 | 9.8617576 | 10.0252805 |
| 21 | 9.8366109 | 9.9749726 | 39 | 9.8616383 | 10.0250274 |
| 22 | 9.8367447 | 9.9752257 | 38 | 9.8615190 | 10.0247743 |
| 23 | 9.8368784 | 9.9754787 | 37 | 9.8613997 | 10.0245213 |
| 24 | 9.8370121 | 9.9757318 | 36 | 9.8612803 | 10.0242682 |
| 25 | 9.8371456 | 9.9759849 | 35 | 9.8611608 | 10.0240151 |
| 26 | 9.8372791 | 9.9762379 | 34 | 9.8610412 | 10.0237621 |
| 27 | 9.8374125 | 9.9764909 | 33 | 9.8609215 | 10.0235091 |
| 28 | 9.8375458 | 9.9767440 | 32 | 9.8608018 | 10.0232560 |
| 29 | 9.8376790 | 9.9769970 | 31 | 9.8606821 | 10.0230030 |
| 30 | 9.8378122 | 9.9772500 | 30 | 9.8605622 | 10.0227500 |

| Min. | 43. Grad. | | Min. | 46. Grad. | |
|------|-----------|-----------|------|-----------|------------|
| | Seno. | Tangente. | | Seno. | Tangente. |
| 30 | 9.8378122 | 9.9772500 | 30 | 9.8605622 | 10.0227500 |
| 31 | 9.8379453 | 9.9775030 | 29 | 9.8604423 | 10.0224970 |
| 32 | 9.8380783 | 9.9777560 | 28 | 9.8603223 | 10.0222440 |
| 33 | 9.8382112 | 9.9780090 | 27 | 9.8602022 | 10.0219910 |
| 34 | 9.8383441 | 9.9782620 | 26 | 9.8600821 | 10.0217380 |
| 35 | 9.8384769 | 9.9785149 | 25 | 9.8599619 | 10.0214851 |
| 36 | 9.8386096 | 9.9787679 | 24 | 9.8598416 | 10.0212321 |
| 37 | 9.8387422 | 9.9790209 | 23 | 9.8597213 | 10.0209791 |
| 38 | 9.8388747 | 9.9792738 | 22 | 9.8596009 | 10.0207262 |
| 39 | 9.8390072 | 9.9795268 | 21 | 9.8594804 | 10.0204732 |
| 40 | 9.8391369 | 9.9797797 | 20 | 9.8593599 | 10.0202203 |
| 41 | 9.8392719 | 9.9800326 | 19 | 9.8592393 | 10.0199674 |
| 42 | 9.8394041 | 9.9802856 | 18 | 9.8591186 | 10.0197144 |
| 43 | 9.8395363 | 9.9805385 | 17 | 9.8589978 | 10.0194615 |
| 44 | 9.8396684 | 9.9807914 | 16 | 9.8588770 | 10.0192086 |
| 45 | 9.8398004 | 9.9810443 | 15 | 9.8587561 | 10.0189557 |
| 46 | 9.8399323 | 9.9812972 | 14 | 9.8586351 | 10.0187028 |
| 47 | 9.8400642 | 9.9815501 | 13 | 9.8585141 | 10.0184499 |
| 48 | 9.8401959 | 9.9818030 | 12 | 9.8583929 | 10.0181970 |
| 49 | 9.8403276 | 9.9820559 | 11 | 9.8582718 | 10.0179441 |
| 50 | 9.8404593 | 9.9823087 | 10 | 9.8581505 | 10.0176913 |
| 51 | 9.8405908 | 9.9825616 | 9 | 9.8580292 | 10.0174384 |
| 52 | 9.8407223 | 9.9828145 | 8 | 9.8579078 | 10.0171855 |
| 53 | 9.8408537 | 9.9830673 | 7 | 9.8577863 | 10.0169327 |
| 54 | 9.8409850 | 9.9833202 | 6 | 9.8576648 | 10.0166798 |
| 55 | 9.8411162 | 9.9835730 | 5 | 9.8575432 | 10.0164270 |
| 56 | 9.8412474 | 9.9838259 | 4 | 9.8574215 | 10.0161741 |
| 57 | 9.8413785 | 9.9840787 | 3 | 9.8572998 | 10.0159213 |
| 58 | 9.8415095 | 9.9843315 | 2 | 9.8571779 | 10.0156685 |
| 59 | 9.8416404 | 9.9845844 | 1 | 9.8570561 | 10.0154156 |
| 60 | 9.8417713 | 9.9848372 | 0 | 9.8569341 | 10.0151628 |

| 44. Grad. | | 45. Grad. | | | |
|-----------|-----------|-----------|------|-----------|------------|
| Min. | Seno. | Tangente. | Min. | Seno. | Tangente. |
| 0 | 9.8417713 | 9.9848372 | 60 | 9.8569341 | 10.0151628 |
| 1 | 9.8419021 | 9.9850900 | 59 | 9.8568121 | 10.0149100 |
| 2 | 9.8420328 | 9.9853428 | 58 | 9.8566900 | 10.0146572 |
| 3 | 9.8421634 | 9.9855956 | 57 | 9.8565678 | 10.0144044 |
| 4 | 9.8422939 | 9.9858484 | 56 | 9.8564455 | 10.0141516 |
| 5 | 9.8424244 | 9.9861012 | 55 | 9.8563232 | 10.0138988 |
| 6 | 9.8425548 | 9.9863540 | 54 | 9.8562008 | 10.0136460 |
| 7 | 9.8426851 | 9.9866068 | 53 | 9.8560784 | 10.0133932 |
| 8 | 9.8428154 | 9.9868596 | 52 | 9.8559558 | 10.0131404 |
| 9 | 9.8429456 | 9.9871123 | 51 | 9.8558332 | 10.0128877 |
| 10 | 9.8430757 | 9.9873651 | 50 | 9.8557106 | 10.0126349 |
| 11 | 9.8432057 | 9.9876179 | 49 | 9.8555878 | 10.0123821 |
| 12 | 9.8433356 | 9.9878706 | 48 | 9.8554650 | 10.0121294 |
| 13 | 9.8434655 | 9.9881234 | 47 | 9.8553421 | 10.0118766 |
| 14 | 9.8435953 | 9.9883761 | 46 | 9.8552192 | 10.0116239 |
| 15 | 9.8437250 | 9.9886289 | 45 | 9.8550961 | 10.0113711 |
| 16 | 9.8438547 | 9.9888816 | 44 | 9.8549730 | 10.0111184 |
| 17 | 9.8439842 | 9.9891344 | 43 | 9.8548499 | 10.0108656 |
| 18 | 9.8441137 | 9.9893871 | 42 | 9.8547266 | 10.0106129 |
| 19 | 9.8442432 | 9.9896399 | 41 | 9.8546033 | 10.0103601 |
| 20 | 9.8443725 | 9.9898926 | 40 | 9.8544799 | 10.0101074 |
| 21 | 9.8445018 | 9.9901453 | 39 | 9.8543564 | 10.0098547 |
| 22 | 9.8446310 | 9.9903981 | 38 | 9.8542329 | 10.0096019 |
| 23 | 9.8447601 | 9.9906508 | 37 | 9.8541093 | 10.0093492 |
| 24 | 9.8448891 | 9.9909035 | 36 | 9.8539856 | 10.0090965 |
| 25 | 9.8450181 | 9.9911562 | 35 | 9.8538619 | 10.0088438 |
| 26 | 9.8451470 | 9.9914089 | 34 | 9.8537381 | 10.0085911 |
| 27 | 9.8452758 | 9.9916616 | 33 | 9.8536142 | 10.0083384 |
| 28 | 9.8454045 | 9.9919143 | 32 | 9.8534902 | 10.0080857 |
| 29 | 9.8455332 | 9.9921670 | 31 | 9.8533662 | 10.0078330 |
| 30 | 9.8456618 | 9.9924197 | 30 | 9.8532421 | 10.0075803 |

| 44. Grad. | | 45. Grad. | | | |
|-----------|-----------|------------|------|-----------|------------|
| Min. | Seno. | Tangente. | Min. | Seno. | Tangente. |
| 30 | 9.8456618 | 9.9924197 | 30 | 9.8532421 | 10.0075803 |
| 31 | 9.8457903 | 9.9926724 | 29 | 9.8531179 | 10.0073276 |
| 32 | 9.8459188 | 9.9929251 | 28 | 9.8529936 | 10.0070749 |
| 33 | 9.8460471 | 9.9931778 | 27 | 9.8528693 | 10.0068222 |
| 34 | 9.8461754 | 9.9934305 | 26 | 9.8527449 | 10.0065695 |
| 35 | 9.8463036 | 9.9936832 | 25 | 9.8526204 | 10.0063168 |
| 36 | 9.8464318 | 9.9939359 | 24 | 9.8524959 | 10.0060641 |
| 37 | 9.8465599 | 9.9941886 | 23 | 9.8523713 | 10.0058114 |
| 38 | 9.8466879 | 9.9944413 | 22 | 9.8522466 | 10.0055587 |
| 39 | 9.8468158 | 9.9946940 | 21 | 9.8521218 | 10.0053060 |
| 40 | 9.8469436 | 9.9949466 | 20 | 9.8519970 | 10.0050534 |
| 41 | 9.8470714 | 9.9951993 | 19 | 9.8518721 | 10.0048007 |
| 42 | 9.8471991 | 9.9954520 | 18 | 9.8517471 | 10.0045480 |
| 43 | 9.8473267 | 9.9957047 | 17 | 9.8516220 | 10.0042953 |
| 44 | 9.8474543 | 9.9959573 | 16 | 9.8514969 | 10.0040427 |
| 45 | 9.8475817 | 9.9962100 | 15 | 9.8513717 | 10.0037900 |
| 46 | 9.8477091 | 9.9964627 | 14 | 9.8512465 | 10.0035373 |
| 47 | 9.8478365 | 9.9967154 | 13 | 9.8511211 | 10.0032846 |
| 48 | 9.8479637 | 9.9969680 | 12 | 9.8509957 | 10.0030320 |
| 49 | 9.8480909 | 9.9972207 | 11 | 9.8508702 | 10.0027793 |
| 50 | 9.8482180 | 9.9974734 | 10 | 9.8507446 | 10.0025266 |
| 51 | 9.8483450 | 9.9977260 | 9 | 9.8506190 | 10.0022740 |
| 52 | 9.8484720 | 9.9979787 | 8 | 9.8504933 | 10.0020213 |
| 53 | 9.8485989 | 9.9982314 | 7 | 9.8503675 | 10.0017686 |
| 54 | 9.8487257 | 9.9984840 | 6 | 9.8502417 | 10.0015160 |
| 55 | 9.8488524 | 9.9987367 | 5 | 9.8501157 | 10.0012633 |
| 56 | 9.8489791 | 9.9989893 | 4 | 9.8499897 | 10.0010107 |
| 57 | 9.8491057 | 9.9992420 | 3 | 9.8498637 | 10.0007580 |
| 58 | 9.8492322 | 9.9994947 | 2 | 9.8497375 | 10.0005053 |
| 56 | 9.8493586 | 9.9997473 | 1 | 9.8496113 | 10.0002527 |
| 60 | 9.8494850 | 10.0000000 | 0 | 9.8494850 | 10.0000000 |