

Table 4.9 CIRCULAR TANGENTS, COTANGENTS, SECANTS AND COSECANTS FOR RADIAN ARGUMENTS

x	$\tan x$	$\cot x$	$\sec x$	$\csc x$
1.00	1.55740 77	0.64209 262	1.85081 57	1.18839 51
1.01	1.59220 60	0.62805 942	1.88019 15	1.18087 20
1.02	1.62813 04	0.61420 141	1.91070 89	1.17356 01
1.03	1.66524 40	0.60051 260	1.94243 08	1.16645 42
1.04	1.70361 46	0.58698 722	1.97542 47	1.15954 90
1.05	1.74331 53	0.57361 970	2.00976 32	1.15283 98
1.06	1.78442 48	0.56040 467	2.04552 49	1.14632 17
1.07	1.82702 82	0.54733 693	2.08279 43	1.13999 02
1.08	1.87121 73	0.53441 147	2.12166 31	1.13384 11
1.09	1.91709 18	0.52162 342	2.16223 06	1.12787 01
1.10	1.96475 97	0.50896 811	2.20460 44	1.12207 33
1.11	2.01433 82	0.49644 096	2.24890 16	1.11644 69
1.12	2.06595 53	0.48403 759	2.29524 97	1.11098 71
1.13	2.11975 01	0.47175 371	2.34378 77	1.10569 05
1.14	2.17587 51	0.45958 520	2.39466 75	1.10055 37
1.15	2.23449 69	0.44752 802	2.44805 57	1.09557 35
1.16	2.29579 85	0.43557 829	2.50413 48	1.09074 67
1.17	2.35998 11	0.42373 221	2.56310 57	1.08607 04
1.18	2.42726 64	0.41198 610	2.62518 99	1.08154 17
1.19	2.49789 94	0.40033 638	2.69063 21	1.07715 79
1.20	2.57215 16	0.38877 957	2.75970 36	1.07291 64
1.21	2.65032 46	0.37731 227	2.83270 55	1.06881 46
1.22	2.73275 42	0.36593 119	2.90997 35	1.06485 01
1.23	2.81981 57	0.35463 310	2.99188 25	1.06102 06
1.24	2.91192 99	0.34341 486	3.07885 30	1.05732 39
1.25	3.00956 97	0.33227 342	3.17135 77	1.05375 79
1.26	3.11326 91	0.32120 577	3.26993 04	1.05032 05
1.27	3.22363 32	0.31020 899	3.37517 57	1.04700 98
1.28	3.34135 00	0.29928 023	3.48778 15	1.04382 41
1.29	3.46720 57	0.28841 670	3.60853 36	1.04076 14
1.30	3.60210 24	0.27761 565	3.73833 41	1.03782 00
1.31	3.74708 10	0.26687 440	3.87822 33	1.03499 85
1.32	3.90334 78	0.25619 034	4.02940 74	1.03229 53
1.33	4.07230 98	0.24556 088	4.19329 31	1.02970 88
1.34	4.25561 79	0.23498 350	4.37153 10	1.02723 77
1.35	4.45522 18	0.22445 572	4.56607 06	1.02488 07
1.36	4.67344 12	0.21397 509	4.77923 14	1.02263 65
1.37	4.91305 81	0.20353 922	5.01379 49	1.02050 39
1.38	5.17743 74	0.19314 574	5.27312 60	1.01848 18
1.39	5.47068 86	0.18279 234	5.56133 39	1.01656 93
1.40	5.79788 37	0.17247 673	5.88349 01	1.01476 51
1.41	6.16535 61	0.16219 663	6.24592 80	1.01306 85
1.42	6.58111 95	0.15194 983	6.65666 08	1.01147 85
1.43	7.05546 38	0.14173 413	7.12597 85	1.00999 43
1.44	7.60182 61	0.13154 734	7.66731 76	1.00861 52
1.45	8.23809 28	0.12138 732	8.29856 45	1.00734 05
1.46	8.98860 76	0.11125 194	9.04406 25	1.00616 95
1.47	9.88737 49	0.10113 908	9.93781 58	1.00510 15
1.48	10.98337 93	0.09104 6660	11.02880 87	1.00413 62
1.49	12.34985 64	0.08097 2601	12.39027 66	1.00327 29
1.50	14.10141 99	0.07091 4844	14.13683 29	1.00251 13
1.51	16.42809 17	0.06087 1343	16.45849 92	1.00185 09
1.52	19.66952 78	0.05084 0061	19.69493 14	1.00129 15
1.53	24.49841 04	0.04081 8975	24.51881 14	1.00083 27
1.54	32.46113 89	0.03080 6066	32.47653 83	1.00047 44
1.55	48.07848 25	0.02079 9325	48.08888 10	1.00021 63
1.56	92.62049 63	0.01079 6746	92.62589 45	1.00005 83
1.57	+1255.76559 15	+ 0.00079 6327	+1255.76598 97	1.00000 03
1.58	- 108.64920 36	- 0.00920 3933	- 108.65380 55	1.00004 24
1.59	- 52.06696 96	- 0.01920 6034	- 52.07657 18	1.00018 44
1.60	- 34.23253 27	- 0.02921 1978	- 34.24713 56	1.00042 66

For $x > 1.6$, use 4.3.44.

$$\left[\begin{matrix} (-5)2 \\ 5 \end{matrix} \right]$$

$$\left[\begin{matrix} (-5)3 \\ 4 \end{matrix} \right]$$