

NATURAL TRIGONOMETRIC FUNCTIONS TO FOUR PLACES

x radians	x degrees	$\sin x$	$\cos x$	$\tan x$	$\cot x$	$\sec x$	$\csc x$		
.0000	0° 00'	.000	1.0000	.0000	–	1.000	–	90° 00'	1.5708
.0029	10	.0029	1.0000	.0029	343.8	1.000	343.8	50	1.5679
.0058	20	.0058	1.0000	.0058	171.9	1.000	171.9	40	1.5650
.0087	30	.0087	1.0000	.0087	114.6	1.000	114.6	30	1.5621
.0116	40	.0116	.9999	.0116	85.94	1.000	85.95	20	1.5592
.0145	50	.0145	.9999	.0145	68.75	1.000	68.76	10	1.5563
.0175	1° 00'	.0175	.9998	.0175	57.29	1.000	57.30	89° 00'	1.5533
.0262	30	.0262	.9997	.0262	38.19	1.000	38.20	30	1.5446
.0349	2° 00'	.0349	.9994	.0349	28.64	1.001	28.65	88° 00'	1.5359
.0436	30	.0436	.9990	.0437	22.90	1.001	22.93	30	1.5272
.0524	3° 00'	.0523	.9986	.0524	19.08	1.001	19.11	87° 00'	1.5184
.0611	30	.0610	.9981	.0612	16.35	1.002	16.38	30	1.5097
.0698	4° 00'	.0698	.9976	.0699	14.30	1.002	14.34	86° 00'	1.5010
.0785	30	.0785	.9969	.0787	12.71	1.003	12.75	30	1.4923
.0873	5° 00'	.0872	.9962	.0875	11.43	1.004	11.47	85° 00'	1.4835
.0960	30	.0958	.9954	.0963	10.39	1.005	10.43	30	1.4748
.1047	6° 00'	.1045	.9945	.1051	9.514	1.006	9.597	84° 00'	1.4661
.1134	30	.1132	.9936	.1139	8.777	1.006	8.834	30	1.4573
.1222	7° 00'	.1219	.9925	.1228	8.144	1.008	8.206	83° 00'	1.4486
.1309	30	.1305	.9914	.1317	7.596	1.009	7.661	30	1.4399
.1396	8° 00'	.1392	.9903	.1405	7.115	1.010	7.185	82° 00'	1.4312
.1484	30	.1478	.9890	.1495	6.691	1.011	6.765	30	1.4224
.1571	9° 00'	.1564	.9877	.1584	6.314	1.012	6.392	81° 00'	1.4137
.1658	30	.1650	.9863	.1673	5.976	1.014	6.059	30	1.4050
.1745	10° 00'	.1736	.9848	.1763	5.671	1.015	5.759	80° 00'	1.3963
.1833	30	.1822	.9833	.1853	5.396	1.017	5.487	30	1.3875
.1920	11° 00'	.1908	.9816	.1944	5.145	1.019	5.241	79° 00'	1.3788
.2007	30	.1994	.9799	.2035	4.915	1.020	5.016	30	1.3701
.2094	12° 00'	.2079	.9781	.2126	4.705	1.022	4.810	78° 00'	1.3614
.2182	30	.2164	.9763	.2217	4.511	1.025	4.620	30	1.3526
.2269	13° 00'	.2250	.9744	.2309	4.331	1.026	4.445	77° 00'	1.3439
.2356	30	.2334	.9724	.2401	4.165	1.028	4.284	30	1.3352
.2443	14° 00'	.2419	.9703	.2493	4.011	1.031	4.134	76° 00'	1.3265
.2531	30	.2404	.9681	.2586	3.867	1.033	3.994	30	1.3177
.2618	15° 00'	.2588	.9659	.2679	3.732	1.035	3.864	75° 00'	1.3090
.2705	30	.2672	.9636	.2773	3.606	1.038	3.742	30	1.3003
.2793	16° 00'	.2756	.9613	.2867	3.487	1.040	3.628	74° 00'	1.2915
.2880	30	.2840	.9588	.2962	3.376	1.043	3.521	30	1.2828
.2967	17° 00'	.2924	.9563	.3057	3.271	1.046	3.420	73° 00'	1.2741
.3054	30	.3007	.9537	.3153	3.172	1.049	3.326	30	1.2654
.3142	18° 00'	.3090	.9511	.3249	3.078	1.051	3.236	72° 00'	1.2566
.3229	30	.3173	.9483	.3346	2.989	1.054	3.152	30	1.2479
.3316	19° 00'	.3256	.9455	.3443	2.904	1.058	3.072	71° 00'	1.2392
.3403	30	.3338	.9426	.3541	2.824	1.061	2.996	30	1.2305
.3491	20° 00'	.3420	.9397	.3640	2.747	1.064	2.924	70° 00'	1.2217
.3578	30	.3502	.9367	.3739	2.675	1.068	2.855	30	1.2130
.3665	21° 00'	.3584	.9336	.3839	2.605	1.071	2.790	69° 00'	1.2043
.3752	30	.3665	.9304	.3939	2.539	1.075	2.729	30	1.1956
.3840	22° 00'	.3746	.9272	.4040	2.475	1.079	2.669	68° 00'	1.1868
.3927	30	.3827	.9239	.4142	2.414	1.082	2.613	30	1.1781
.4014	23° 00'	.3907	.9205	.4245	2.356	1.086	2.559	67° 00'	1.1694
.4102	30	.3987	.9171	.4348	2.300	1.090	2.508	30	1.1606
.4189	24° 00'	.4067	.9135	.4452	2.246	1.095	2.459	66° 00'	1.1519

y
 degree
 $\cos y$ $\sin y$ $\cot y$ $\tan y$ $\csc y$ $\sec y$ y
 radians

x	x								
radians	degrees	$\sin x$	$\cos x$	$\tan x$	$\cot x$	$\sec x$	$\csc x$		
.4276	30	.4147	.9100	.4557	2.194	1.099	2.411	30	1.1432
.4363	25° 00'	.4226	.9063	.4663	2.145	1.103	2.366	65° 00'	1.1345
.4451	30	.4305	.9026	.4770	2.097	1.108	2.323	30	1.1257
.4538	26° 00'	.4384	.8988	.4877	2.050	1.113	2.281	64° 00'	1.1170
.4625	30	.4462	.8949	.4986	2.006	1.117	2.241	30	1.1083
.4712	27° 00'	.4540	.8910	.5095	1.963	1.122	2.203	63° 00'	1.0996
.4800	30	.4617	.8870	.5206	1.921	1.127	2.166	30	1.0908
.4887	28° 00'	.4695	.8829	.5317	1.881	1.133	2.130	62° 00'	1.0821
.4974	30	.4772	.8788	.5430	1.842	1.138	2.096	30	1.0734
.5061	29° 00'	.4848	.8746	.5543	1.804	1.143	2.063	61° 00'	1.0647
.5149	30	.4924	.8704	.5658	1.767	1.149	2.031	30	1.0559
.5236	30° 00'	.5000	.8660	.5774	1.732	1.155	2.000	60° 00'	1.0472
.5323	30	.5075	.8616	.5890	1.698	1.161	1.970	30	1.0385
.5411	31° 00'	.5150	.8572	.6009	1.664	1.167	1.942	59° 00'	1.0297
.5498	30	.5225	.8526	.6128	1.632	1.173	1.914	30	1.0210
.5585	32° 00'	.5299	.8480	.6249	1.600	1.179	1.887	58° 00'	1.0123
.5672	30	.5373	.8434	.6371	1.570	1.186	1.861	30	1.0036
.5760	33° 00'	.5446	.8397	.6494	1.540	1.192	1.836	57° 00'	.9948
.5847	30	.5519	.8339	.6619	1.511	1.199	1.812	30	.9861
.5934	34° 00'	.5592	.8290	.6745	1.483	1.206	1.788	56° 00'	.9774
.6021	30	.5664	.8241	.6873	1.455	1.213	1.766	30	.9687
.6109	35° 00'	.5736	.8192	.7002	1.428	1.221	1.743	55° 00'	.9599
.6196	30	.5807	.8141	.7133	1.402	1.228	1.722	30	.9512
.6283	36° 00'	.5878	.8090	.7265	1.376	1.236	1.701	54° 00'	.9425
.6370	30	.5948	.8039	.7400	1.351	1.244	1.681	30	.9338
.6458	37° 00'	.6018	.7986	.7536	1.327	1.252	1.662	53° 00'	.9250
.6545	30	.6088	.7934	.7673	1.303	1.260	1.643	30	.9163
.6632	38° 00'	.6157	.7880	.7813	1.280	1.269	1.624	52° 00'	.9076
.6720	30	.6225	.7826	.7954	1.257	1.278	1.606	30	.8988
.6807	39° 00'	.6293	.7771	.8098	1.235	1.287	1.589	51° 00'	.8901
.6894	30	.6361	.7716	.8243	1.213	1.296	1.572	30	.8814
.6981	40° 00'	.6428	.7660	.8391	1.192	1.305	1.556	50° 00'	.8727
.7069	30	.6494	.7604	.8541	1.171	1.315	1.540	30	.8639
.7156	41° 00'	.6561	.7547	.8693	1.150	1.325	1.524	49° 00'	.8552
.7243	30	.6626	.7490	.8847	1.130	1.335	1.509	30	.8465
.7330	42° 00'	.6691	.7431	.9004	1.111	1.346	1.494	48° 00'	.8378
.7418	30	.6756	.7373	.9163	1.091	1.356	1.480	30	.8290
.7505	43° 00'	.6820	.7314	.9325	1.072	1.367	1.466	47° 00'	.8203
.7592	30	.6884	.7254	.9490	1.054	1.379	1.453	30	.8116
.7679	44° 00'	.6947	.7193	.9657	1.036	1.390	1.440	46° 00'	.8029
.7767	30	.7009	.7133	.9827	1.018	1.402	1.427	30	.7941
.7854	45° 00'	.7071	.7071	1.0000	1.0000	1.414	1.414	45° 00'	.7854
		$\cos y$	$\sin y$	$\cot y$	$\tan y$	$\csc y$	$\sec y$	y degree	y radians