

Trigonometric Tables

Tangent

First decimal place

Angle in degrees	0	1	2	3	4	5	6	7	8	9
0	,0000	,0017	,0035	,0052	,0070	,0087	,0105	,0122	,0140	,0157
1	,0175	,0192	,0209	,0227	,0244	,0262	,0279	,0297	,0314	,0332
2	,0349	,0367	,0384	,0402	,0419	,0437	,0454	,0472	,0489	,0507
3	,0524	,0542	,0559	,0577	,0594	,0612	,0629	,0647	,0664	,0682
4	,0699	,0717	,0734	,0752	,0769	,0787	,0805	,0822	,0840	,0857
5	,0875	,0892	,0910	,0928	,0945	,0963	,0981	,0998	,1016	,1033
6	,1051	,1069	,1086	,1104	,1122	,1139	,1157	,1175	,1192	,1210
7	,1228	,1246	,1263	,1281	,1299	,1317	,1334	,1352	,1370	,1388
8	,1405	,1423	,1441	,1459	,1477	,1495	,1512	,1530	,1548	,1566
9	,1584	,1602	,1620	,1638	,1655	,1673	,1691	,1709	,1727	,1745
10	,1763	,1781	,1799	,1817	,1835	,1853	,1871	,1890	,1908	,1926
11	,1944	,1962	,1980	,1998	,2016	,2035	,2053	,2071	,2089	,2107
12	,2126	,2144	,2162	,2180	,2199	,2217	,2235	,2254	,2272	,2290
13	,2309	,2327	,2345	,2364	,2382	,2401	,2419	,2438	,2456	,2475
14	,2493	,2512	,2530	,2549	,2568	,2586	,2605	,2623	,2642	,2661
15	,2679	,2698	,2717	,2736	,2754	,2773	,2792	,2811	,2830	,2849
16	,2867	,2886	,2905	,2924	,2943	,2962	,2981	,3000	,3019	,3038
17	,3057	,3076	,3096	,3115	,3134	,3153	,3172	,3191	,3211	,3230
18	,3249	,3269	,3288	,3307	,3327	,3346	,3365	,3385	,3404	,3424
19	,3443	,3463	,3482	,3502	,3522	,3541	,3561	,3581	,3600	,3620
20	,3640	,3659	,3679	,3699	,3719	,3739	,3759	,3779	,3799	,3819
21	,3839	,3859	,3879	,3899	,3919	,3939	,3959	,3979	,4000	,4020
22	,4040	,4061	,4081	,4101	,4122	,4142	,4163	,4183	,4204	,4224
23	,4245	,4265	,4286	,4307	,4327	,4348	,4369	,4390	,4411	,4431
24	,4452	,4473	,4494	,4515	,4536	,4557	,4578	,4599	,4621	,4642
25	,4663	,4684	,4706	,4727	,4748	,4770	,4791	,4813	,4834	,4856
26	,4877	,4899	,4921	,4942	,4964	,4986	,5008	,5029	,5051	,5073
27	,5095	,5117	,5139	,5161	,5184	,5206	,5228	,5250	,5272	,5295
28	,5317	,5340	,5362	,5384	,5407	,5430	,5452	,5475	,5498	,5520
29	,5543	,5566	,5589	,5612	,5635	,5658	,5681	,5704	,5727	,5750
30	,5774	,5797	,5820	,5844	,5867	,5890	,5914	,5938	,5961	,5985
31	,6009	,6032	,6056	,6080	,6104	,6128	,6152	,6176	,6200	,6224
32	,6249	,6273	,6297	,6322	,6346	,6371	,6395	,6420	,6445	,6469
33	,6494	,6519	,6544	,6569	,6594	,6619	,6644	,6669	,6694	,6720
34	,6745	,6771	,6796	,6822	,6847	,6873	,6899	,6924	,6950	,6976
35	,7002	,7028	,7054	,7080	,7107	,7133	,7159	,7186	,7212	,7239
36	,7265	,7292	,7319	,7346	,7373	,7400	,7427	,7454	,7481	,7508
37	,7536	,7563	,7590	,7618	,7646	,7673	,7701	,7729	,7757	,7785
38	,7813	,7841	,7869	,7898	,7926	,7954	,7983	,8012	,8040	,8069
39	,8098	,8127	,8156	,8185	,8214	,8243	,8273	,8302	,8332	,8361
40	,8391	,8421	,8451	,8481	,8511	,8541	,8571	,8601	,8632	,8662
41	,8693	,8724	,8754	,8785	,8816	,8847	,8878	,8910	,8941	,8972
42	,9004	,9036	,9067	,9099	,9131	,9163	,9195	,9228	,9260	,9293
43	,9325	,9358	,9391	,9424	,9457	,9490	,9523	,9556	,9590	,9623
44	,9657	,9691	,9725	,9759	,9793	,9827	,9861	,9896	,9930	,9965
45	1,0000	1,0035	1,0070	1,0105	1,0141	1,0176	1,0212	1,0247	1,0283	1,0319
46	1,0355	1,0392	1,0428	1,0464	1,0501	1,0538	1,0575	1,0612	1,0649	1,0686
47	1,0724	1,0761	1,0799	1,0837	1,0875	1,0913	1,0951	1,0990	1,1028	1,1067

Trigonometric Tables

48	1,1106	1,1145	1,1184	1,1224	1,1263	1,1303	1,1343	1,1383	1,1423	1,1463
49	1,1504	1,1544	1,1585	1,1626	1,1667	1,1708	1,1750	1,1792	1,1833	1,1875
50	1,1918	1,1960	1,2002	1,2045	1,2088	1,2131	1,2174	1,2218	1,2261	1,2305
51	1,2349	1,2393	1,2437	1,2482	1,2527	1,2572	1,2617	1,2662	1,2708	1,2753
52	1,2799	1,2846	1,2892	1,2938	1,2985	1,3032	1,3079	1,3127	1,3175	1,3222
53	1,3270	1,3319	1,3367	1,3416	1,3465	1,3514	1,3564	1,3613	1,3663	1,3713
54	1,3764	1,3814	1,3865	1,3916	1,3968	1,4019	1,4071	1,4124	1,4176	1,4229
55	1,4281	1,4335	1,4388	1,4442	1,4496	1,4550	1,4605	1,4659	1,4715	1,4770
56	1,4826	1,4882	1,4938	1,4994	1,5051	1,5108	1,5166	1,5224	1,5282	1,5340
57	1,5399	1,5458	1,5517	1,5577	1,5637	1,5697	1,5757	1,5818	1,5880	1,5941
58	1,6003	1,6066	1,6128	1,6191	1,6255	1,6319	1,6383	1,6447	1,6512	1,6577
59	1,6643	1,6709	1,6775	1,6842	1,6909	1,6977	1,7045	1,7113	1,7182	1,7251
60	1,7321	1,7391	1,7461	1,7532	1,7603	1,7675	1,7747	1,7820	1,7893	1,7966
61	1,8040	1,8115	1,8190	1,8265	1,8341	1,8418	1,8495	1,8572	1,8650	1,8728
62	1,8807	1,8887	1,8967	1,9047	1,9128	1,9210	1,9292	1,9375	1,9458	1,9542
63	1,9626	1,9711	1,9797	1,9883	1,9970	2,0057	2,0145	2,0233	2,0323	2,0413
64	2,0503	2,0594	2,0686	2,0778	2,0872	2,0965	2,1060	2,1155	2,1251	2,1348
65	2,1445	2,1543	2,1642	2,1742	2,1842	2,1943	2,2045	2,2148	2,2251	2,2355
66	2,2460	2,2566	2,2673	2,2781	2,2889	2,2998	2,3109	2,3220	2,3332	2,3445
67	2,3559	2,3673	2,3789	2,3906	2,4023	2,4142	2,4262	2,4383	2,4504	2,4627
68	2,4751	2,4876	2,5002	2,5129	2,5257	2,5386	2,5517	2,5649	2,5782	2,5916
69	2,6051	2,6187	2,6325	2,6464	2,6605	2,6746	2,6889	2,7034	2,7179	2,7326
70	2,7475	2,7625	2,7776	2,7929	2,8083	2,8239	2,8397	2,8556	2,8716	2,8878
71	2,9042	2,9208	2,9375	2,9544	2,9714	2,9887	3,0061	3,0237	3,0415	3,0595
72	3,0777	3,0961	3,1146	3,1334	3,1524	3,1716	3,1910	3,2106	3,2305	3,2506
73	3,2709	3,2914	3,3122	3,3332	3,3544	3,3759	3,3977	3,4197	3,4420	3,4646
74	3,4874	3,5105	3,5339	3,5576	3,5816	3,6059	3,6305	3,6554	3,6806	3,7062
75	3,7321	3,7583	3,7848	3,8118	3,8391	3,8667	3,8947	3,9232	3,9520	3,9812
76	4,0108	4,0408	4,0713	4,1022	4,1335	4,1653	4,1976	4,2303	4,2635	4,2972
77	4,3315	4,3662	4,4015	4,4373	4,4737	4,5107	4,5483	4,5864	4,6252	4,6646
78	4,7046	4,7453	4,7867	4,8288	4,8716	4,9152	4,9594	5,0045	5,0504	5,0970
79	5,1446	5,1929	5,2422	5,2924	5,3435	5,3955	5,4486	5,5026	5,5578	5,6140
80	5,6713	5,7297	5,7894	5,8502	5,9124	5,9758	6,0405	6,1066	6,1742	6,2432
81	6,3138	6,3859	6,4596	6,5350	6,6122	6,6912	6,7720	6,8548	6,9395	7,0264
82	7,1154	7,2066	7,3002	7,3962	7,4947	7,5958	7,6996	7,8062	7,9158	8,0285
83	8,1443	8,2636	8,3863	8,5126	8,6427	8,7769	8,9152	9,0579	9,2052	9,3572
84	9,5144	9,6768	9,8448	10,02	10,20	10,39	10,58	10,78	10,99	11,20
85	11,43	11,66	11,91	12,16	12,43	12,71	13,00	13,30	13,62	13,95
86	14,30	14,67	15,06	15,46	15,89	16,35	16,83	17,34	17,89	18,46
87	19,08	19,74	20,45	21,20	22,02	22,90	23,86	24,90	26,03	27,27
88	28,64	30,14	31,82	33,69	35,80	38,19	40,92	44,07	47,74	52,08
89	57,29	63,66	71,62	81,85	95,49	114,59	143,24	190,98	286,48	572,96
90	-									