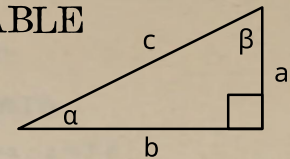


$\alpha$  - ANGLE IN DEGREES  $\tan(\alpha)$ ,  $\sin(\alpha)$  TABLE  
PLUS CALCULATIONS FOR 100

$$a = b * \tan(\alpha) \quad b = a / \tan(\alpha)$$



$\alpha^\circ$	$\tan(\alpha^\circ) \times 100$	$\alpha^\circ$	$\tan(\alpha^\circ) \times 100$	$\alpha^\circ$	$\sin(\alpha^\circ)$	$\alpha^\circ$	$\sin(\alpha^\circ)$
00	00.00000 00.00	45	01.00000 100.00	00	00.00000	45	00.70711
01	00.01746 01.75	46	01.03553 103.55	01	00.01745	46	00.71934
02	00.03492 03.49	47	01.07237 107.24	02	00.03490	47	00.73135
03	00.05241 05.24	48	01.11061 111.06	03	00.05234	48	00.74314
04	00.06993 06.99	49	01.15037 115.04	04	00.06976	49	00.75471
05	00.08749 08.75	50	01.19175 119.18	05	00.08716	50	00.76604
06	00.10510 10.51	51	01.23490 123.49	06	00.10453	51	00.77715
07	00.12278 12.28	52	01.27994 127.99	07	00.12187	52	00.78801
08	00.14054 14.05	53	01.32704 132.70	08	00.13917	53	00.79864
09	00.15838 15.84	54	01.37638 137.64	09	00.15643	54	00.80902
10	00.17633 17.63	55	01.42815 142.81	10	00.17365	55	00.81915
11	00.19438 19.44	56	01.48256 148.26	11	00.19081	56	00.82904
12	00.21256 21.26	57	01.53986 153.99	12	00.20791	57	00.83867
13	00.23087 23.09	58	01.60033 160.03	13	00.22495	58	00.84805
14	00.24933 24.93	59	01.66428 166.43	14	00.24192	59	00.85717
15	00.26795 26.79	60	01.73205 173.21	15	00.25882	60	00.86603
16	00.28675 28.67	61	01.80405 180.40	16	00.27564	61	00.87462
17	00.30573 30.57	62	01.88073 188.07	17	00.29237	62	00.88295
18	00.32492 32.49	63	01.96261 196.26	18	00.30902	63	00.89101
19	00.34433 34.43	64	02.05030 205.03	19	00.32557	64	00.89879
20	00.36397 36.40	65	02.14451 214.45	20	00.34202	65	00.90631
21	00.38386 38.39	66	02.24604 224.60	21	00.35837	66	00.91355
22	00.40403 40.40	67	02.35585 235.59	22	00.37461	67	00.92050
23	00.42447 42.45	68	02.47509 247.51	23	00.39073	68	00.92718
24	00.44523 44.52	69	02.60509 260.51	24	00.40674	69	00.93358
25	00.46631 46.63	70	02.74748 274.75	25	00.42262	70	00.93969
26	00.48773 48.77	71	02.90421 290.42	26	00.43837	71	00.94552
27	00.50953 50.95	72	03.07768 307.77	27	00.45399	72	00.95106
28	00.53171 53.17	73	03.27085 327.09	28	00.46947	73	00.95630
29	00.55431 55.43	74	03.48741 348.74	29	00.48481	74	00.96126
30	00.57735 57.74	75	03.73205 373.21	30	00.50000	75	00.96593
31	00.60086 60.09	76	04.01078 401.08	31	00.51504	76	00.97030
32	00.62487 62.49	77	04.33148 433.15	32	00.52992	77	00.97437
33	00.64941 64.94	78	04.70463 470.46	33	00.54464	78	00.97815
34	00.67451 67.45	79	05.14455 514.46	34	00.55919	79	00.98163
35	00.70021 70.02	80	05.67128 567.13	35	00.57358	80	00.98481
36	00.72654 72.65	81	06.31375 631.38	36	00.58779	81	00.98769
37	00.75355 75.36	82	07.11537 711.54	37	00.60182	82	00.99027
38	00.78129 78.13	83	08.14435 814.43	38	00.61566	83	00.99255
39	00.80978 80.98	84	09.51436 951.44	39	00.62932	84	00.99452
40	00.83910 83.91	85	11.43005 1143.01	40	00.64279	85	00.99619
41	00.86929 86.93	86	14.30067 1430.07	41	00.65606	86	00.99756
42	00.90040 90.04	87	19.08114 1908.11	42	00.66913	87	00.99863
43	00.93252 93.25	88	28.63625 2863.63	43	00.68200	88	00.99939
44	00.96569 96.57	89	57.28996 5729.00	44	00.69466	89	00.99985

$$\text{deg} = \text{rad} * 180/\pi$$

$$\text{rad} = \pi/180 * \text{deg}$$