

Trig Functions

1. Calculator practice:

a) Square the following values:

Number	16	34	11.2	19.6	27.35	53.2	69.21	1347
Value squared	256	1156	125.44	384.16	748.02	2830.24	4790.02	18144509

b) Take the square root of the following: (2 decimal places)

number	46	127	11.8	89.3	149.2	784.9	1563	453.7
Square root	6.78	11.26	3.43	9.44	12.21	28.01	39.53	21.30

c) Convert the following angle measures into decimal value (4 decimal places)

sin	34	67	12	28	84	52	33
decimal	0.5591	0.9205	0.2079	0.4694	0.9945	0.7880	0.5446
cos	8	88	43	72	29	58	35
decimal	0.9902	0.0348	0.7313	0.3090	0.8746	0.5299	0.8191
tan	67	52	18	27	84	39	42
decimal	2.3558	1.2799	0.3249	0.5095	9.5143	0.8097	0.9004

d) Convert the following decimal measure into angle measures (one decimal place)

sin	.2134	.6712	.8945	.4734	.1567	.3946	.7983
angle	12.3	42.1	63.4	28.2	9.0	23.2	52.9
cos	.9512	.1674	.3489	.2951	.7685	.6347	.4998
angle	17.9	80.3	69.5	72.8	39.7	50.6	60.0
tan	.4572	3.2145	.9834	.2212	2.5678	1.2091	.5672
angle	24.5	72.7	44.5	12.4	68.7	50.4	29.5

2. Label the following triangles. (measurements do not represent a true right triangle)

