

## Solving for "x" with Trigonometric Functions

Use trigonometric functions to solve for the given variable.

$$1) \sin 59^\circ = \frac{x}{5.8}$$

$$2) \sin 38^\circ = \frac{6}{x}$$

$$3) \cos 82^\circ = \frac{71}{x}$$

$$4) \cos 32^\circ = \frac{x}{9.2}$$

$$5) \sin x = 0.5498$$

$$6) \cos x = 0.1237$$

$$7) \tan 45^\circ = \frac{x}{2.1}$$

$$8) \tan 79^\circ = \frac{9.8}{x}$$

$$9) \tan x = 4.62$$

$$10) \sec 58^\circ = \frac{x}{5}$$

$$11) \sec 62^\circ = \frac{1.2}{x}$$

$$12) \sec x = 2.97$$

$$13) \cot 24^\circ = \frac{5.9}{x}$$

$$14) \cot 12^\circ = \frac{x}{9}$$

$$15) \cot x = 0.952$$

$$16) \csc x = 1.985$$

$$17) \csc 8^\circ = \frac{x}{2.67}$$

$$18) \csc 8^\circ = \frac{1.8}{x}$$