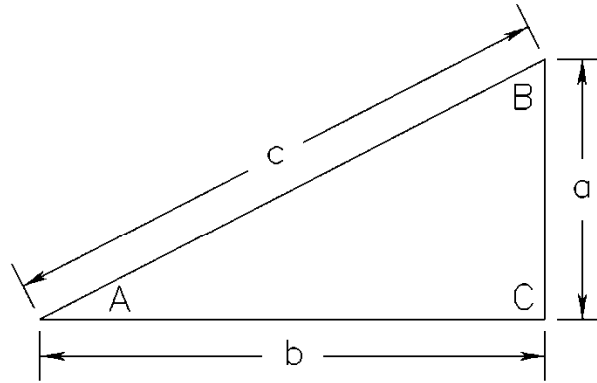


SIN	$\frac{\text{Opposite Side}}{\text{Hypotenuse}}$	TAN	$\frac{\text{Opposite Side}}{\text{Adjacent Side}}$	SEC	$\frac{\text{Hypotenuse}}{\text{Adjacent Side}}$
COS	$\frac{\text{Adjacent Side}}{\text{Hypotenuse}}$	COT	$\frac{\text{Adjacent Side}}{\text{Opposite Side}}$	CSC	$\frac{\text{Hypotenuse}}{\text{Opposite Side}}$



Find	Given	Formula	Find	Given	Formula
SIN A	Sides a, C	$\frac{a}{c}$	SIDE b	Side a, Tan A	$\frac{a}{\text{Tan A}}$
SIN A	Cos A, Tan A	Cos A, Tan A	SIDE C	Side a, b	$\sqrt{a^2 + b^2}$
SIN A	Cos A	$\sqrt{1 - \text{Cos}^2 A}$	SIDE C	Side a, Sin A	$\frac{a}{\text{Sin A}}$
COS A	Sides b, c	$\frac{b}{c}$	SIDE C	Side b, Cos A	$\frac{b}{\text{Cos A}}$
COS A	Sin A, Tan A	$\frac{\text{Sin A}}{\text{Tan A}}$	TAN A	Sin A, Cos A	$\frac{\text{Sin A}}{\text{Cos A}}$
COS A	Sin A	$\sqrt{1 - \text{Sin}^2 A}$	TAN A	Sides a, b	$\frac{a}{b}$
SIDE a	Sides b, c	$\sqrt{c^2 - b^2}$	ANGLE A	Angles B, C	C - B
SIDE a	Sides c, Sin A	c Sin A	ANGLE B	Angles A, C	C - A
SIDE a	Sides b, Tan A	b Tan A	ANGLE C	Angles A, B	A - B
SIDE b	Sides a, c	$\sqrt{c^2 - a^2}$			
SIDE b	Sides c, Cos A	c Cos A			

**FIGURE C-7-7**  
**REFERENCE FORMULAS - 90 DEGREES TRIANGLE\***

\* Rev. 7/12