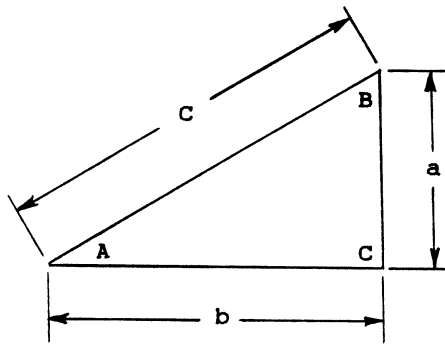


$\text{SIN} = \frac{\text{Opposite Side}}{\text{Hypotenuse}}$	$\text{TAN} = \frac{\text{Opposite Side}}{\text{Adjacent Side}}$	$\text{SEC} = \frac{\text{Hypotenuse}}{\text{Adjacent Side}}$
$\text{COS} = \frac{\text{Adjacent Side}}{\text{Hypotenuse}}$	$\text{COT} = \frac{\text{Adjacent Side}}{\text{Opposite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



<u>Find</u>	<u>Given</u>	<u>Formula</u>	<u>Find</u>	<u>Given</u>	<u>Formula</u>
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	$\text{Cos A Tan A}$	SIDE c	Sides 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	Side c, Sin A	$c \text{ Sin A}$	ANGLE B	Angles A, C	$C - A$
SIDE a	Side b, Tan A	$b \text{ Tan A}$	ANGLE C	Angles A, B	$A + B$
SIDE b	Sides a, c	$\sqrt{c^2 - a^2}$			
SIDE b	Side c, Cos A	$c \text{ Cos A}$			

**FIGURE E-4  
REFERENCE FORMULAS-90° TRIANGLE**