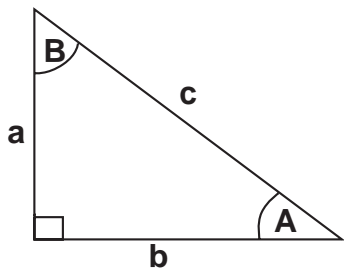
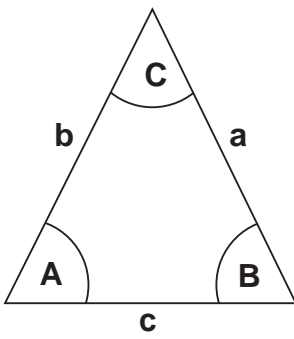
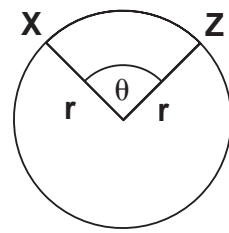


# Technical Information (Geometric Formulas)

Right Triangle	If Known	Can Determine	Formulas
	a, b	B, A, c	$\text{Cot } B = a/b$ $\text{Tan } A = a/b$ $c = \sqrt{a^2 + b^2}$
	a, c	b, A, B	$\text{Cos } B = a/c$ $\text{Sin } A = a/c$ $b = \sqrt{(c+a)(c-a)}$
	A, a	b, B, c	$B = 90^\circ - A$ $b = a * \text{Cot } A$ $c = a/\text{Sin } A$
	b, A	B, a, c	$B = 90^\circ - A$ $a = b * \text{Tan } A$ $c = b/\text{Cos } A$
	c, A	b, a, B	$B = 90^\circ - A$ $a = c * \text{Sin } A$ $b = c * \text{Cos } A$

Oblique Triangle	If Known	Can Determine	Formulas
	a, B, A	b, c, C	$b = (a * \text{Sin } B)/\text{Sin } A$ $C = 180^\circ - (A+B)$ $c = (a * \text{Sin } C)/\text{Sin } A$
	a, A, b	B, c, C	$\text{Sin } B = (b * \text{Sin } A)/a$ $C = 180^\circ - (A+B)$ $c = (a * \text{Sin } C)/\text{Sin } A$
	a, b, C	A, B, c	$\text{Tan } A = (a * \text{Sin } C)/(b - (a * \text{Cos } C))$ $B = 180^\circ - (A+C)$ $c = (a * \text{Sin } C)/\text{Sin } A$
	a, b, c	A, B, C	$\text{Cos } A = (b^2 + c^2 - a^2)/2bc$ $\text{Cos } B = (a^2 + c^2 - b^2)/2ac$ $C = 180^\circ - (A+B)$

Circle	
	<p>Area = <math>\pi r^2</math> Where: <math>\pi = 3.14</math>            Circumference = <math>2\pi r</math>            Length of Arc XZ = <math>\theta * (\pi/180) * r</math></p>

