Trigonometry Basics

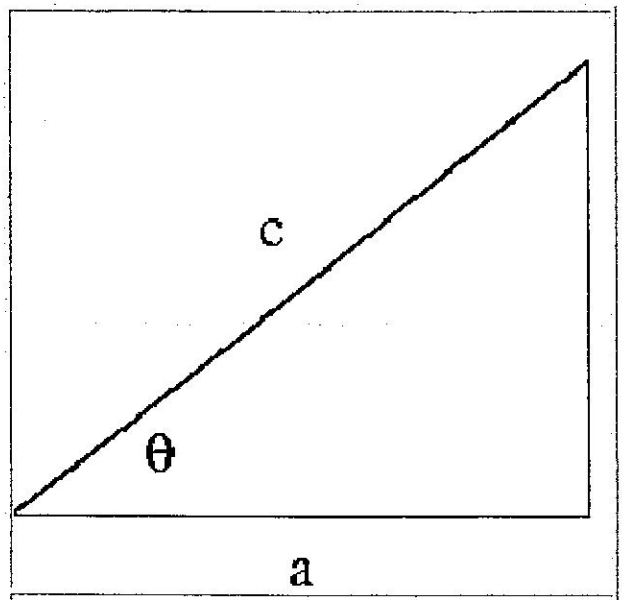


Figure 1

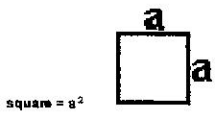
For the angle θ pictured in the figure, we see that

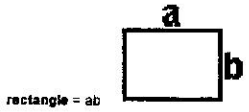
$$\sin\theta = \frac{b}{c} = \frac{\text{opposite}}{\text{hypotenuse}}$$

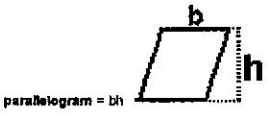
$$\cos\theta = \frac{a}{c} = \frac{\text{adjacent}}{\text{hypotenuse}}$$

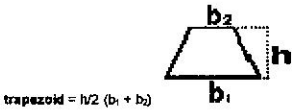
$$\tan\theta = \frac{b}{a} = \frac{\text{opposite}}{\text{adjacent}}$$

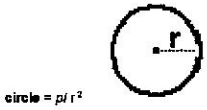
Area formulas

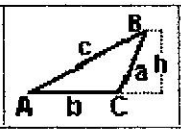










triangle =	$\frac{1}{2}(bh)$		one half times the base length times the height of the triangle

Circumference of Circle =

PI x diameter = 2 PI x radius
where **PI** = π **= 3.141592...**

What to expect and do to be successful in class.