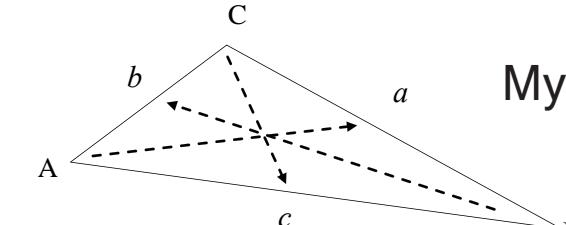
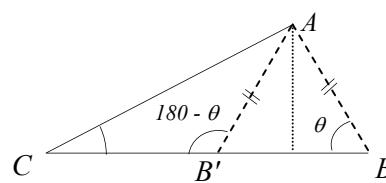
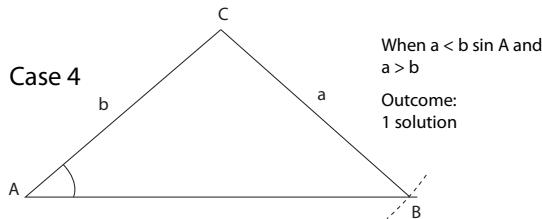
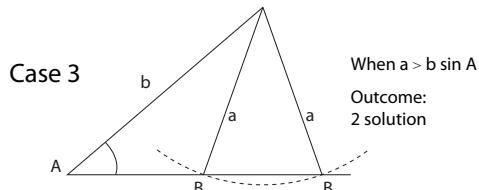
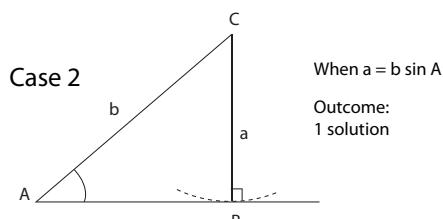
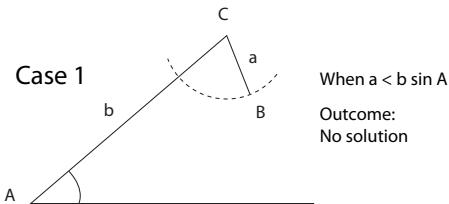




MyHomeTuition.com



$$\frac{a}{\sin A} = \frac{b}{\sin B} = \frac{c}{\sin C}$$

*Sine Rule*

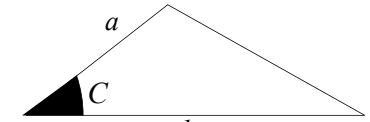
$$a^2 = b^2 + c^2 - 2bc \cos A$$

$$b^2 = a^2 + c^2 - 2ac \cos B$$

$$c^2 = a^2 + b^2 - 2ab \cos C$$

$$\cos A = \frac{b^2 + c^2 - a^2}{2bc}$$

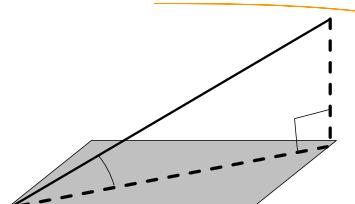
*Cosine Rule*



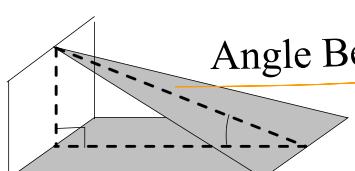
$$A = \frac{1}{2} ab \sin C$$

*Solution of Triangle*

*3 Dimensional Geometry*



Angle Between A Line and A Plane



Angle Between 2 Planes

#### Useful Information:

Phythagoras Theorem:  $c = \sqrt{a^2 + b^2}$

Trigo ratio:  $\sin \theta = \frac{b}{c}$ ,  $\cos \theta = \frac{a}{c}$ ,  $\tan \theta = \frac{b}{a}$

Area =  $\frac{1}{2}$  (base)(height)

