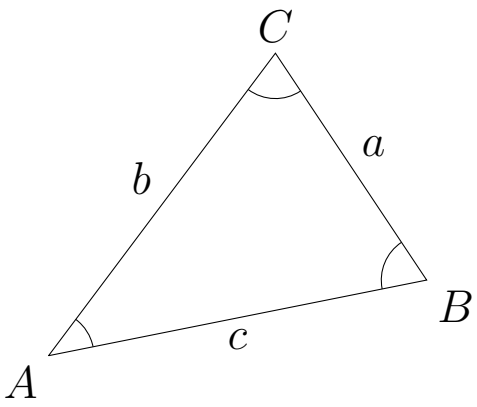
Non-Right Trigonometry Rules



Sine Rule

$$\frac{a}{\sin(A)} = \frac{b}{\sin(B)}$$

or

$$\frac{\sin(A)}{a} = \frac{\sin(B)}{b}$$

Cosine Rule

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

or

$$C = \cos^{-1}\left(\frac{a^2 + b^2 - c^2}{2ab}\right)$$

Triangle Area

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