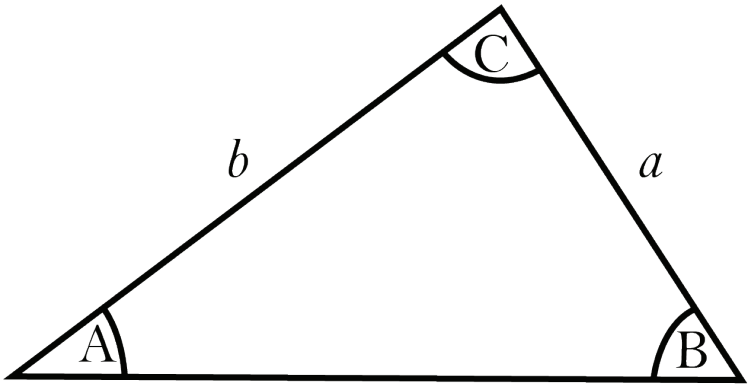
Quick Reference:
Law of Sines and Law of Cosines

You can use the following formulas with ***any*** triangle ABC:



Triangle ABC

Law of Sines:

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

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

Law of Cosines:

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

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

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