

Triangles

The Sine Rule

$$\text{For Lengths: } \frac{a}{\sin(A)} = \frac{b}{\sin(B)}$$

$$\text{For Angles: } \frac{\sin(A)}{a} = \frac{\sin(B)}{b}$$

The Cosine Rule

$$\text{For Lengths: } a^2 = b^2 + c^2 - 2bc \cos(A)$$

$$\text{For Angles: } \cos(A) = \frac{b^2 + c^2 - a^2}{2bc}$$

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

And for right angled triangles:
SOHCAHTOA and Pythagoras