

Geometry

1. Perimeter and Area of Common Shapes

➤ Rectangle

$$\text{Perimeter} = 2(L + w)$$

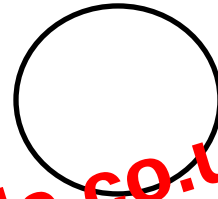
$$\text{Area} = L \times w$$



➤ Circle

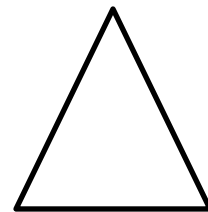
$$\text{Circumference} = C = 2\pi r$$

$$\text{Area} = A = \pi r^2$$



➤ Triangle:

$$\text{Area} = \frac{1}{2} b \cdot h$$



2. Pythagoras Theorem

$$a^2 + b^2 = c^2$$

3. Area of a Triangle (Hero's Formula)

$$A = \sqrt{s(s-a)(s-b)(s-c)}$$

Where $s = \frac{a+b+c}{2}$