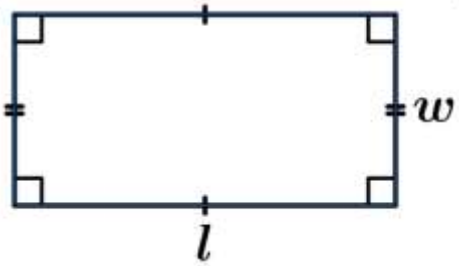
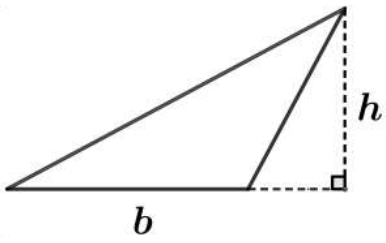
Area Formulas(2D)

Rectangle



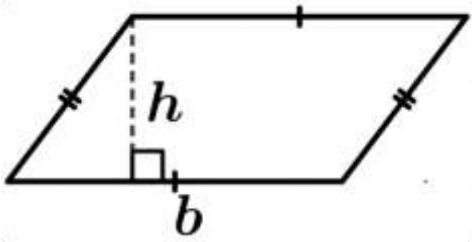
$$A = l \times w$$

Triangle



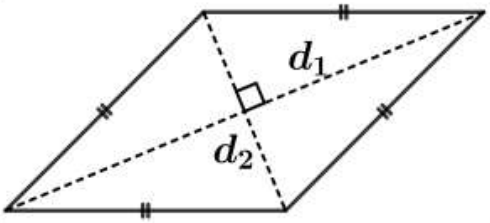
$$A = \frac{1}{2}(b \times h)$$

Parallelogram



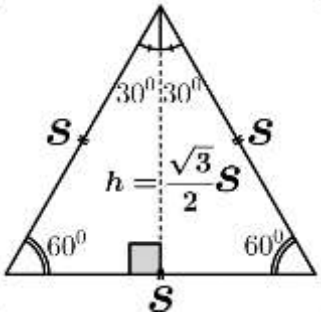
$$A = b \times h$$

Rhombus



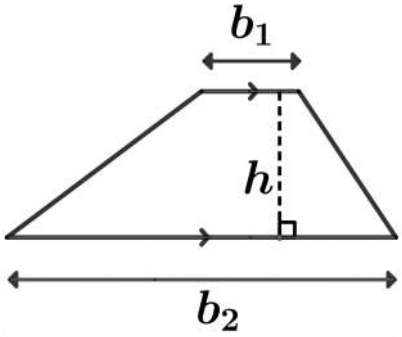
$$A = \frac{1}{2} d_1 d_2$$

Equilateral Δ



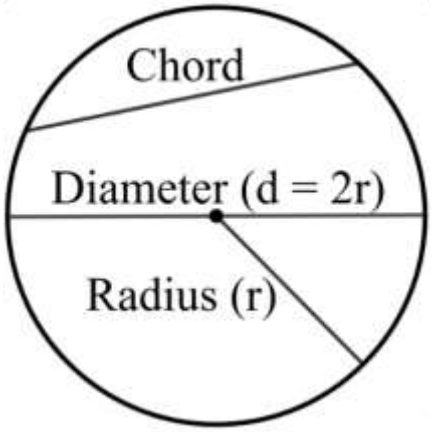
$$A = \frac{s^2\sqrt{3}}{4}$$

Trapezoid



$$A = \frac{1}{2}(b_1 + b_2)h$$

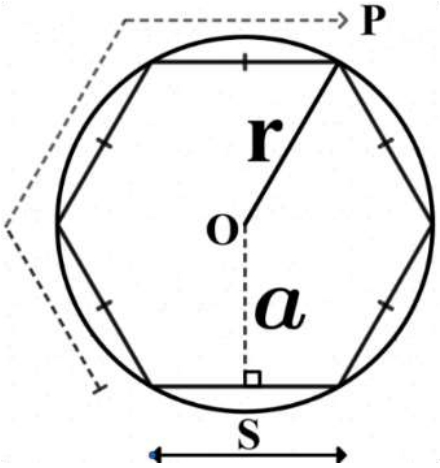
Circle



$$A = \pi r^2$$

$$C = 2\pi r = \pi d$$

Regular Polygon



$$A = \frac{1}{2} a \times P = \frac{1}{2}\left(\frac{S}{2\tan\frac{\pi}{n}}\right) \times nS$$