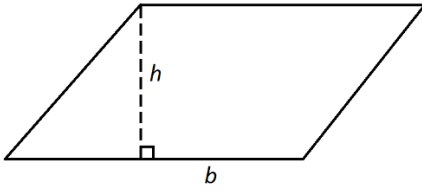
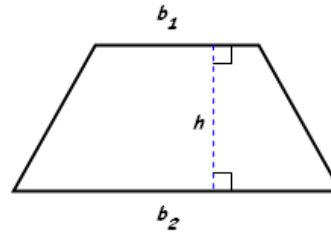


# Geometry Formula Sheet

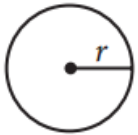
## Formulas:



$$A = bh$$

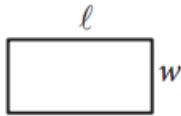


$$A = \frac{1}{2} h(b_1 + b_2)$$

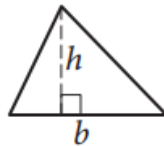


$$A = \pi r^2$$

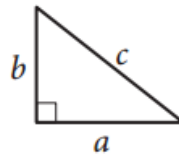
$$C = 2\pi r$$



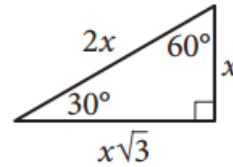
$$A = \ell w$$



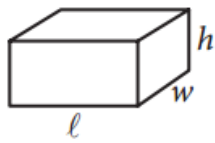
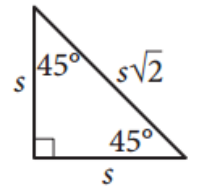
$$A = \frac{1}{2} bh$$



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

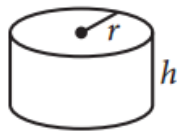


Special Right Triangles



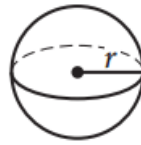
$$V = \text{area of base} \cdot \text{height}$$

$$SA = \text{sum of all areas}$$



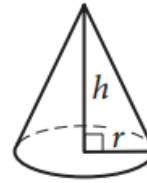
$$V = \pi r^2 h$$

$$SA = 2\pi r^2 + 2\pi rh$$



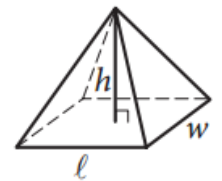
$$V = \frac{4}{3} \pi r^3$$

$$SA = 4\pi r^2$$



$$V = \frac{1}{3} \pi r^2 h$$

$$SA = \pi r^2 + \pi rl$$



$$V = \frac{1}{3} \text{area of base} \cdot \text{height}$$

$$SA = \text{sum of all areas}$$

$$\text{Area of a regular polygon: } A = n \cdot \frac{1}{2} bh$$

$$\text{Area of a regular polygon: } A = n \cdot \frac{1}{2} ab \sin \theta$$