

Formulas for Perimeter, Area, and Volume



$$P = 2l + 2w$$

$$A = lw$$

Rectangle



$$P = 4s$$

$$A = s^2$$

Square



$$C = 2\pi r$$

$$C = \pi d$$

Circle



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

Triangle



$$A = bh$$

Parallelogram



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

Trapezoid



$$V = lwh$$

Rectangular Prism



$$V = \frac{1}{3}lwh$$

Pyramid



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

$$A = \pi r^2$$

Cone



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

$$C = 2\pi r$$

Cylinder



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

$$C = \pi d$$

Sphere

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