

Surface Area and Volume Formulas

Prisms and Cylinders

$$LA = ph$$

$$SA = LA + 2B$$

$$V = Bh$$

Pyramids and Cones

$$LA = \frac{1}{2}pl$$

$$SA = LA + B$$

$$V = \frac{Bh}{3}$$

Spheres

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

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

p : perimeter of base

h : height base to base

B : Area of base

r : radius

l : slant height

Other

Triangle:

$$B = \frac{bh}{2}$$

Polygon:

$$B = \frac{1}{2}ap$$

Rectangle or Parallelogram:

$$B = bh$$

Pythagorean Theorem:

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

Circle:

$$B = \pi r^2$$

$$p = d\pi$$