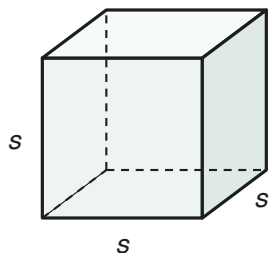


Volume and Surface Area Formulas

V = volume, SA = surface area, ℓ = slant height. For any prism, $V = Bh$ (B = area of the base).

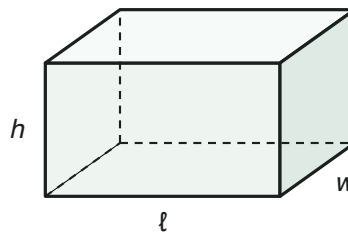
Cube



$$V = s^3$$

$$SA = 6s^2$$

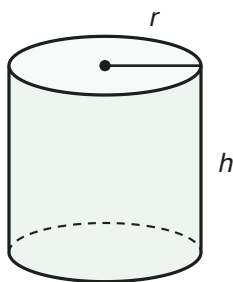
Rectangular Prism



$$V = \ell wh$$

$$SA = 2\ell w + 2\ell h + 2wh$$

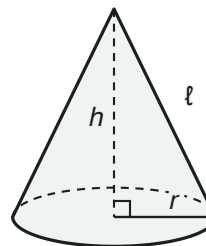
Cylinder



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

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

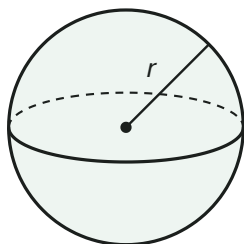
Cone



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

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

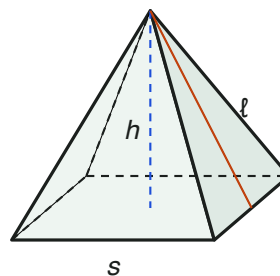
Sphere



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

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

Square Pyramid



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

$$SA = s^2 + 2s\ell$$