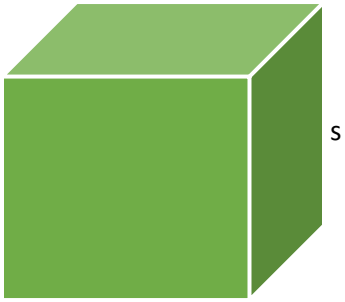
Surface Area and Volume Equations for 3-Dimensional Figures

Cube



$$Surface\ Area = 6s^2$$

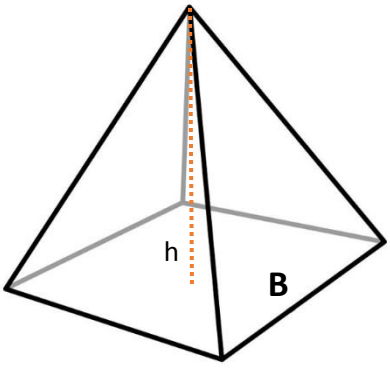
$$Volume = s^3$$

Rectangular Prism

$$Surface\ Area = 2lw + 2lh + 2wh$$

$$Volume = lwh$$

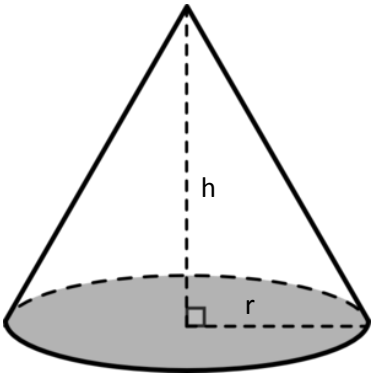
Pyramid



$$Volume = \frac{1}{3}Bh$$

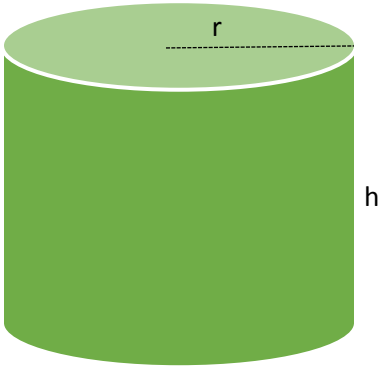
$$B = area\ of\ the\ base$$

Cone



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

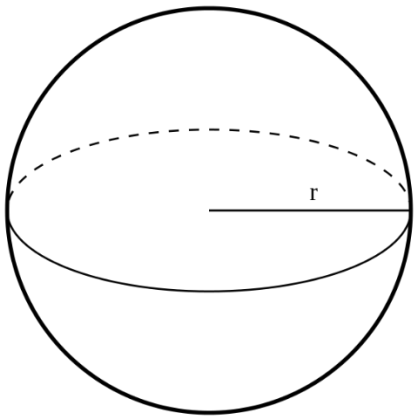
Cylinder



$$Surface\ Area = 2\pi r(r + h)$$

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

Sphere



$$Surface\ Area = 4\pi r^2$$

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