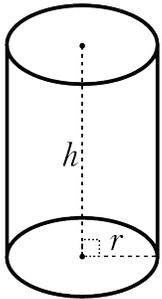


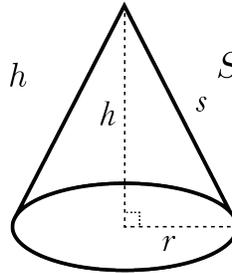
Quick Reference: Formulas for 3D Geometric Shapes



Cylinder

$$\text{Surface Area}_{\text{cylinder}} = 2\pi r^2 + 2\pi r \cdot h$$

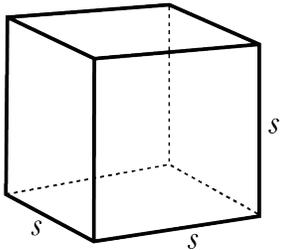
$$\text{Volume}_{\text{cylinder}} = \pi r^2 \cdot h$$



Cone

$$\text{Surface Area}_{\text{cone}} = \pi r^2 + \pi r \cdot s$$

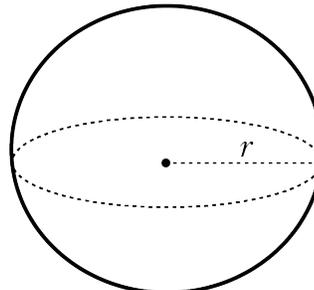
$$\text{Volume}_{\text{cone}} = \left(\frac{1}{3}\right)\pi r^2 \cdot h$$



Cube

$$\text{Surface Area}_{\text{cube}} = 6s^2$$

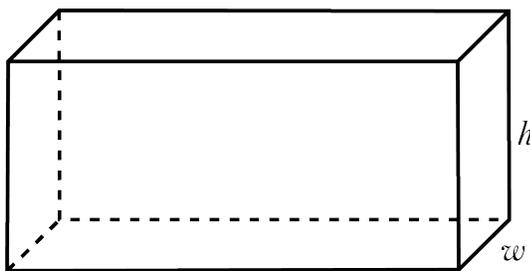
$$\text{Volume}_{\text{cube}} = s^3$$



Sphere

$$\text{Surface Area}_{\text{sphere}} = 4\pi r^2$$

$$\text{Volume}_{\text{sphere}} = \left(\frac{4}{3}\right)\pi r^3$$



Rectangular Prism

$$\text{Surface Area}_{\text{rectangular prism}} = 2(l \cdot w + l \cdot h + w \cdot h)$$

$$\text{Volume}_{\text{rectangular prism}} = l \cdot w \cdot h$$