




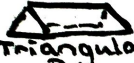
Surface Area / Volume Formulas


Area  = base * height $A_{\square} = b * h$
Rectangle

Area  = $\frac{\text{base} * \text{height}}{2}$ $A_{\triangle} = \frac{b * h}{2}$
triangle

Area  = $\pi * \text{radius}^2$ $A_{\circ} = \pi * r^2$
circle

Surface Area  = sum of all the faces areas
Rectangular Prism


Surface Area  = sum of all the faces areas
Triangular Prism


Surface Area  = Circumference * height + Area of circles
cylinder

$$SA_{\text{cylinder}} = 2\pi r h + 2\pi r^2$$

$$\text{Circumference} = 2\pi r$$

Volume  = length * width * height
Rectangular Prism $V_{\text{rect}} = l * w * h$

Volume  = Area of base triangle * length of prism
Triangular Prism $V_{\text{tri}} = \frac{b * h_{\text{base}}}{2} * l$

Volume  = $\pi * \text{radius}^2 * \text{height}$
cylinder = Area of base circle * height $V_{\text{cylinder}} = \pi r^2 h$