Surface Area / Volume Formulas

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

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

Area $\underset{\text{circle}}{\bigcirc}$ = Pi * radius^2 $\quad A_{\bigcirc} = \pi * r^2$

Surface Area  = sum of all the faces areas

Surface Area  = sum of all the faces areas

Surface Area  = Circumference * height + Area of circles

$$SA_{\square} = 2\pi rh + 2\pi r^2$$

Circumference = $2\pi r$

Volume  = length * width * height

$$V_{\square} = l * w * h$$

Volume  = Area of base triangle * length of prism

$$V_{\square} = \frac{b*h_t}{2} * h_p$$

Volume $\underset{\text{cylinder}}{\square}$ = Pi * radius^2 * height

= Area of base circle * height $\quad V_{\square} = \pi r^2 h$