

Surface Area Formulas

$$SA_{\text{rect}} = 2(b \times h) + 2(w \times h) + 2(b \times w)$$

$$SA_{\text{tr prism}} = \underbrace{2\left(\frac{b \times h}{2}\right)}_{\text{triangles}} + \underbrace{(l \times w) + (l \times w) + (l \times w)}_{\text{sides}}$$

$$SA_{\text{cylinder}} = \underbrace{2\pi r^2}_{\text{circles}} + \underbrace{2\pi r s}_{\text{side}}$$

$$SA_{\text{pyramid}} = \underbrace{(l \times w)}_{\text{base}} + \underbrace{4\left(\frac{b \times h}{2}\right)}_{\text{sides}} \quad *h = \text{slant height of triangle}$$

$$SA_{\text{cone}} = \underbrace{\pi r^2}_{\text{base}} + \underbrace{\pi r s}_{\text{side}}$$

$$SA_{\text{sphere}} = 4\pi r^2$$