

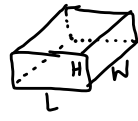
Surface Area - Sum of the areas of each shape that make a 3D object.

$$A_{\text{rectangle}} = bh$$

$$A_{\text{triangle}} = \frac{bh}{2}$$

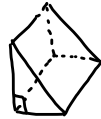
$$A_{\text{circle}} = \pi r^2$$

Rectangular Prism:



- made from 6 rectangles
 - $[2 \times L \times W] + [2 \times L \times H] + [2 \times W \times H]$
 - or draw a net.

Triangular Prism:



- 2 triangles and 3 rectangles
 - $[2 \times \text{Area of Triangle}] + [\text{Area Rec.}_1] + [\text{Area Rec.}_2] + [\text{Area Rec.}_3]$

Cylinder:



- 2 circles and a rectangle (curved surface)

$$S.A_{\text{cylinder}} = [2\pi r^2] + [2\pi r h]$$

\uparrow area of 2 circles \uparrow area of curved surface.