

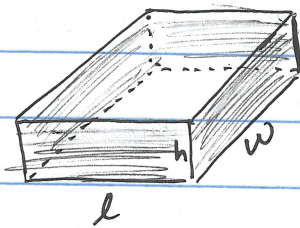
Surface Area of Prisms

Lateral Surface Area: Sum of the surface areas of all its faces, excluding bases.

$$LA = Ph \leftarrow \begin{array}{l} \text{height} \\ \uparrow \\ \text{Perimeter} \\ \text{of} \\ \text{base} \end{array}$$

$$SA = LA + 2B \leftarrow \begin{array}{l} \uparrow \\ \text{area of} \\ \text{base} \end{array}$$

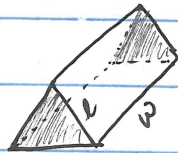
Rectangular Prism



$$LA = 2(lh + wh)$$

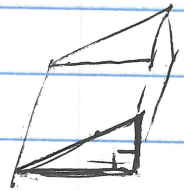
$$SA = 2(lh + lw + wh)$$

Triangular Prism



\leftarrow equilateral triangle

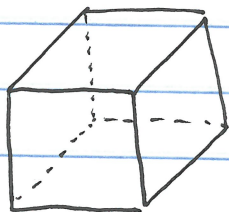
$$LA = 3(lw)$$



$$SA = LA + 2B$$

$$\leftarrow \frac{1}{2}bh$$

Cube/Square Prism



$$LA = 4(lw)$$

$$SA = 6(lw)$$