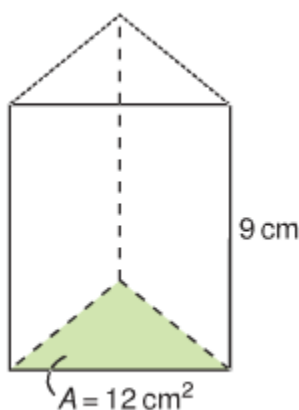


$$A_{\text{triangle}} = \frac{bh}{2}$$

#### 4.6 Volume of a Right Triangular Prism – Notes

Example (1): Find the volume of the prism.



$$\begin{aligned} V &= Ah \\ &= 12 \times 9 \\ &= 108 \text{ cm}^3 \end{aligned}$$

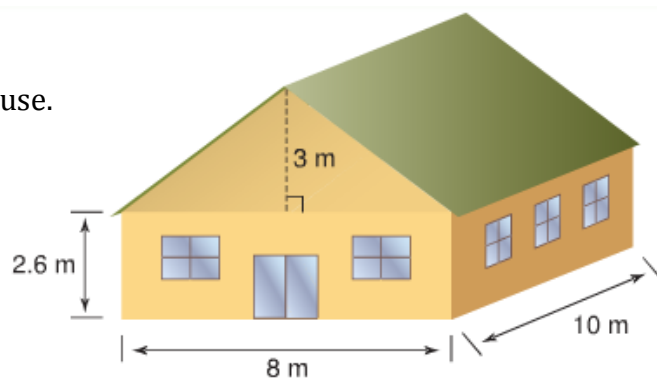
$$V = Ah$$

↑  
base area

↖ distance between 2 bases.

Example (2): Here is a diagram of Renee's new house.

What is the volume of the attic?



$$\begin{aligned} V &= Ah \\ &= \left( \frac{bh}{2} \right) \times h \\ &= \left( \frac{8 \times 3}{2} \right) \times 10 \\ &= 12 \times 10 \\ &= 120 \text{ m}^3 \end{aligned}$$