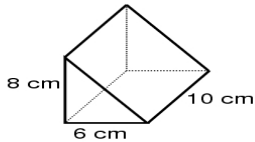


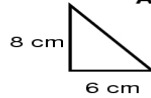
**Volume of Triangular Prisms**

A triangular prism has bases that are triangles as shown below. The height of a triangular prism is the distance between the triangles. In the figure below the height is 10 cm. In order to calculate the value of "B" (area of the base) you need the value of the base and the height of the triangle. In the figure below the triangle is a right triangle with a base of 6 cm and a height of 8 cm.



**Step 1: find the area of the Base (a triangle)**

Area of Base "B" =  $\frac{bh}{2}$



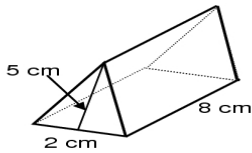
"B" =  $\frac{(6)(8)}{2}$

"B" = 24 sq. cm.

**Step 2: find the volume of the triangular prism**

V = Bh  
 V = (24)(10)  
 V = 240 in.<sup>3</sup>

1.



B =  $\frac{bh}{2}$

V = Bh

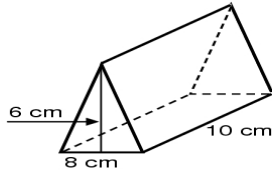
B =  $\frac{(\quad)(\quad)}{(\quad)}$

V =  $(\quad)(\quad)$

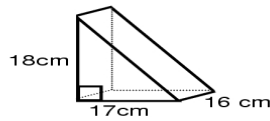
B = \_\_\_\_\_

V = \_\_\_\_\_

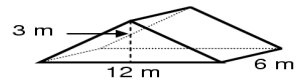
2.



3.



4.



B =  $\frac{bh}{2}$

B =  $\frac{bh}{2}$

B =  $\frac{bh}{2}$

B =  $\frac{(\quad)(\quad)}{(\quad)}$

B =  $\frac{(\quad)(\quad)}{(\quad)}$

B =  $\frac{(\quad)(\quad)}{(\quad)}$

B = \_\_\_\_\_

B = \_\_\_\_\_

B = \_\_\_\_\_

V = Bh

V = Bh

V = Bh

V =  $(\quad)(\quad)$

V =  $(\quad)(\quad)$

V =  $(\quad)(\quad)$

V = \_\_\_\_\_

V = \_\_\_\_\_

V = \_\_\_\_\_