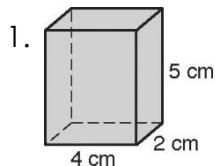


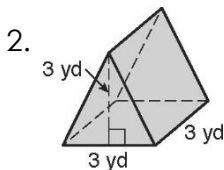
Day 4 – Volume of Prisms, Pyramids, and Spheres

Find the volume of each prism. Round to the nearest tenth if necessary.



the right rectangular prism

$B = \underline{\hspace{2cm}}$ $V = \underline{\hspace{2cm}}$

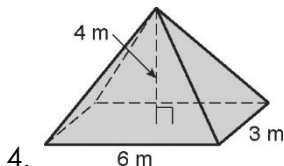


the triangular prism

$B = \underline{\hspace{2cm}}$ $V = \underline{\hspace{2cm}}$

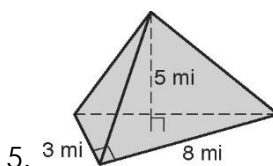
3. Torrie needs to store 8 boxes while she is moving. Each box is a cube with edge length 3 feet. A storage facility charges \$0.75 for every cubic foot of storage per month. Find the amount of money Torrie will pay to store her boxes for one month.
- _____

Find the volume of each pyramid.



the rectangular pyramid

$B = \underline{\hspace{2cm}}$ $V = \underline{\hspace{2cm}}$



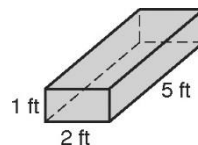
the right triangular pyramid

$B = \underline{\hspace{2cm}}$ $V = \underline{\hspace{2cm}}$

6. a square pyramid with side length 10 in. and height 12 in.

$B = \underline{\hspace{2cm}}$ $V = \underline{\hspace{2cm}}$

Complete Exercises 7–9 to describe the effect on the volume of multiplying each dimension of a prism by 3.



$B = \underline{\hspace{2cm}}$ $V = \underline{\hspace{2cm}}$

7. Find the volume of the prism.
8. Find the volume of the prism after each dimension is multiplied by 3.

$B = \underline{\hspace{2cm}}$ $V = \underline{\hspace{2cm}}$

9. Describe the effect on the volume of multiplying each dimension of a prism by 3.
- _____