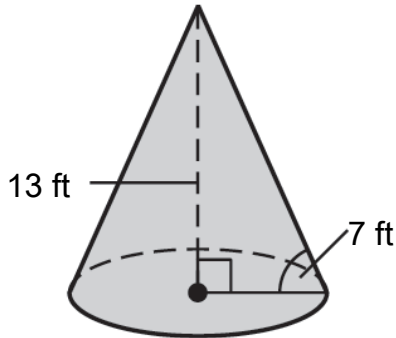


10.4 Volume of pyramids and cones

Objective: To find out the meaning of life...and find the volume of pyramids and cones

Volume of a Cone

$$V = \frac{1}{3} B \cdot h$$



1. Draw and label the base.
2. Find the area of the base
3. State the height of the prism
4. Plug into formula

$$V = \frac{1}{3} B \cdot h$$

$$V = \frac{1}{3} (\quad) (\quad)$$

area of the base height of the cone

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

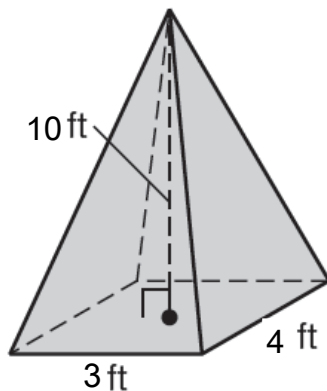
In terms of π

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

Decimal (nearest hundredth)

Volume of a Pyramid

$$V = \frac{1}{3} B \cdot h$$



1. Draw and label the base.
2. Find the area of the base
3. State the height of the prism
4. Plug into formula

$$V = \frac{1}{3} B \cdot h$$

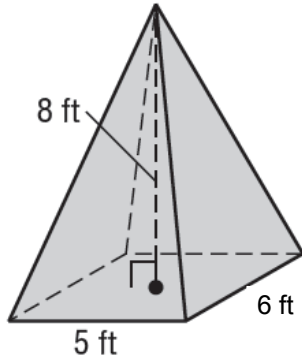
$$V = \frac{1}{3} (\quad) (\quad)$$

area of the base height of the pyramid

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

Independent Practice

Find the volume of the pyramid below

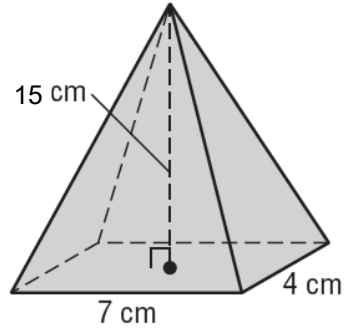


$$V = \frac{1}{3} B \cdot h$$

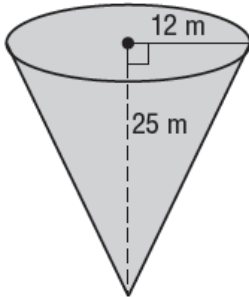
$$V = \frac{1}{3} (\quad) (\quad)$$

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

Find the volume of the pyramid below



Find the volume of the cone below



$$V = \frac{1}{3} B \cdot h$$

$$V = \frac{1}{3} (\quad) (\quad)$$

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

In terms of π

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

Decimal (nearest hundredth)

Find the volume of the cone below. Round your answer to the nearest tenth.

