

# Volume of a Square Pyramid

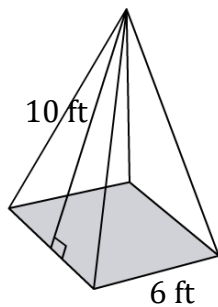
Name: \_\_\_\_\_

Date: \_\_\_\_\_

Find the volume of a square pyramid? (a=base length, h= height).

(Hint:  $V = \frac{1}{3}a^2h$ )

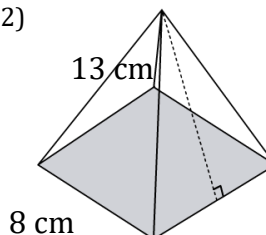
1)



$$V = \frac{1}{3}a^2h$$

$$V = \underline{\quad 120 \text{ ft}^3 \quad}$$

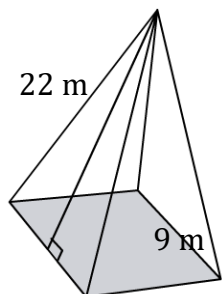
2)



$$V = \frac{1}{3}a^2h$$

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

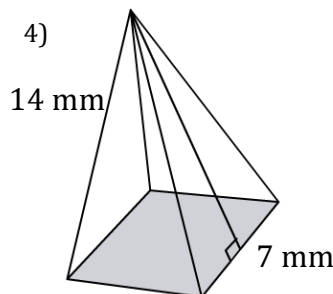
3)



$$V = \frac{1}{3}a^2h$$

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

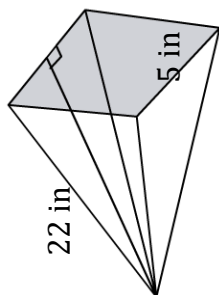
4)



$$V = \frac{1}{3}a^2h$$

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

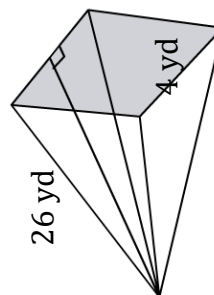
5)



$$V = \frac{1}{3}a^2h$$

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

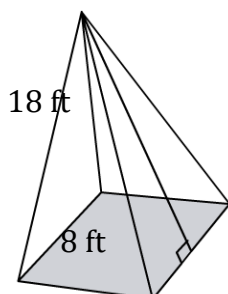
6)



$$V = \frac{1}{3}a^2h$$

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

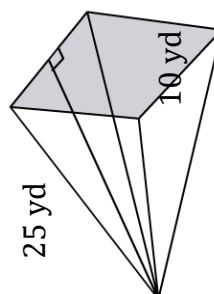
7)



$$V = \frac{1}{3}a^2h$$

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

8)



$$V = \frac{1}{3}a^2h$$

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

# Volume of a Square Pyramid

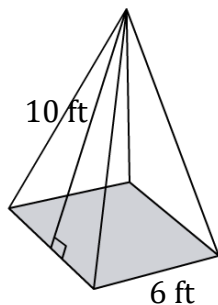
Name: \_\_\_\_\_

Date: \_\_\_\_\_

Find the volume of a square pyramid? (a=base length, h= height).

(Hint:  $V = \frac{1}{3}a^2h$ )

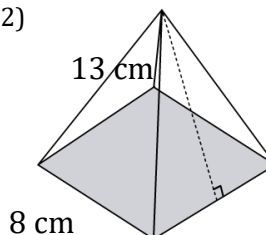
1)



$$V = \frac{1}{3}a^2h$$

$$V = \underline{120 \text{ ft}^3}$$

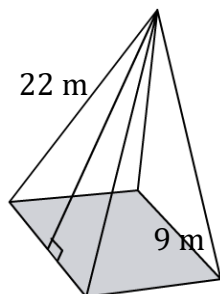
2)



$$V = \frac{1}{3}a^2h$$

$$V = \underline{277.33 \text{ cm}^3}$$

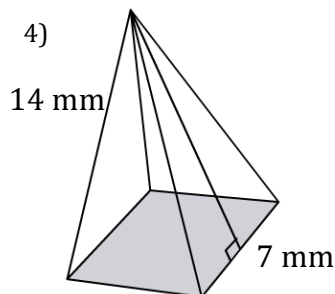
3)



$$V = \frac{1}{3}a^2h$$

$$V = \underline{594 \text{ m}^3}$$

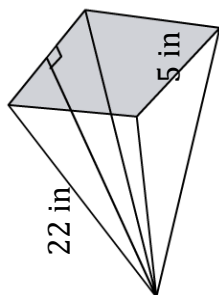
4)



$$V = \frac{1}{3}a^2h$$

$$V = \underline{228.67 \text{ mm}^3}$$

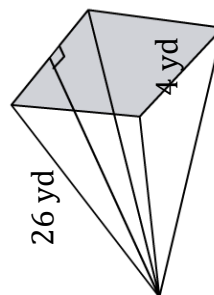
5)



$$V = \frac{1}{3}a^2h$$

$$V = \underline{183.33 \text{ in}^3}$$

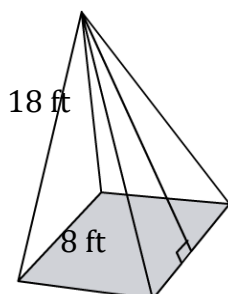
6)



$$V = \frac{1}{3}a^2h$$

$$V = \underline{138.67 \text{ yd}^3}$$

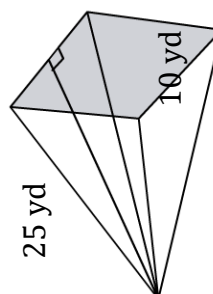
7)



$$V = \frac{1}{3}a^2h$$

$$V = \underline{384 \text{ ft}^3}$$

8)



$$V = \frac{1}{3}a^2h$$

$$V = \underline{833.33 \text{ yd}^3}$$