

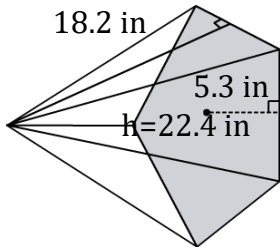
Volume of a Pentagonal Pyramid

Name: _____

Date: _____

Find the volume of a pentagonal pyramid? (a=apothem, b=breadth, h= height).

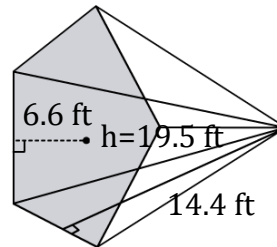
1)



$$V = \frac{5}{6}abh$$

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

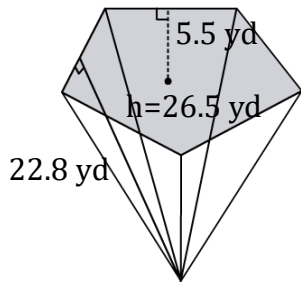
2)



$$V = \frac{5}{6}abh$$

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

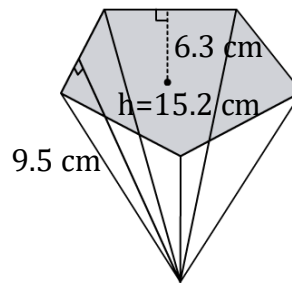
3)



$$V = \frac{5}{6}abh$$

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

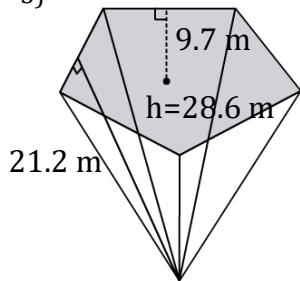
4)



$$V = \frac{5}{6}abh$$

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

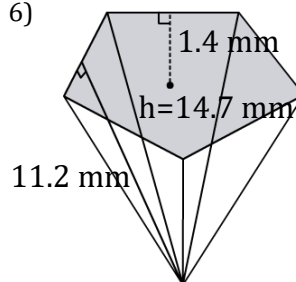
5)



$$V = \frac{5}{6}abh$$

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

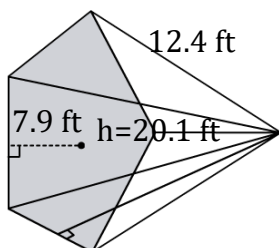
6)



$$V = \frac{5}{6}abh$$

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

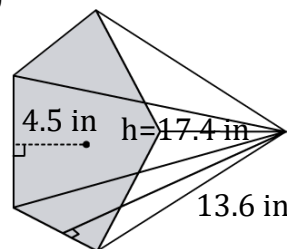
7)



$$V = \frac{5}{6}abh$$

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

8)



$$V = \frac{5}{6}abh$$

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

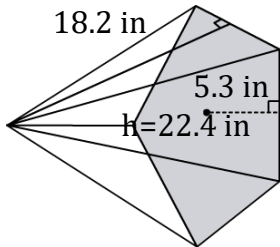
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Date: _____

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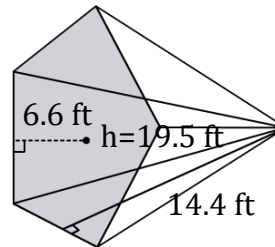
1)



$$V = \frac{5}{6}abh$$

$$V = \underline{1800.587 \text{ in}^3}$$

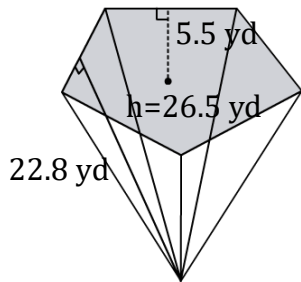
2)



$$V = \frac{5}{6}abh$$

$$V = \underline{1544.4 \text{ ft}^3}$$

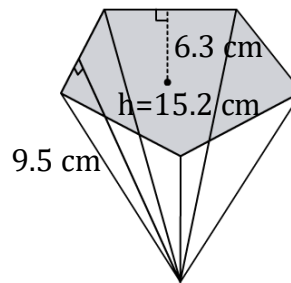
3)



$$V = \frac{5}{6}abh$$

$$V = \underline{2769.25 \text{ yd}^3}$$

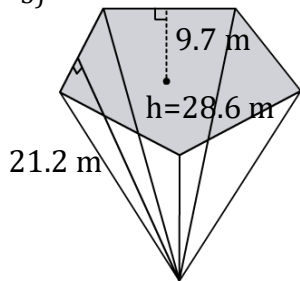
4)



$$V = \frac{5}{6}abh$$

$$V = \underline{758.1 \text{ cm}^3}$$

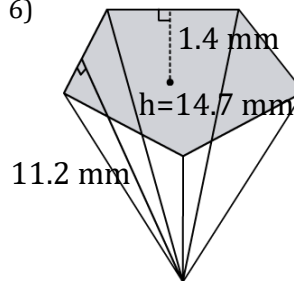
5)



$$V = \frac{5}{6}abh$$

$$V = \underline{4901.087 \text{ m}^3}$$

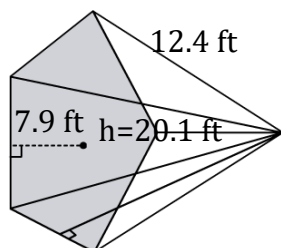
6)



$$V = \frac{5}{6}abh$$

$$V = \underline{192.08 \text{ mm}^3}$$

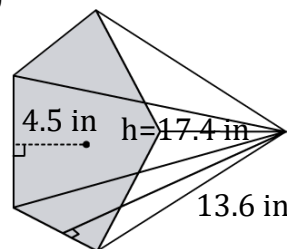
7)



$$V = \frac{5}{6}abh$$

$$V = \underline{1640.83 \text{ ft}^3}$$

8)



$$V = \frac{5}{6}abh$$

$$V = \underline{887.4 \text{ in}^3}$$