

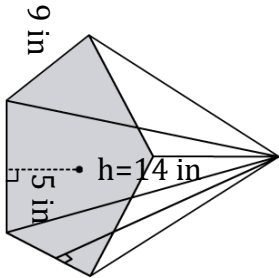
Volume of a Pentagonal Pyramid

Name: _____

Date: _____

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

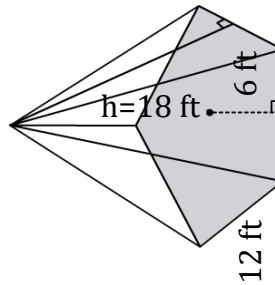
1)



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

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

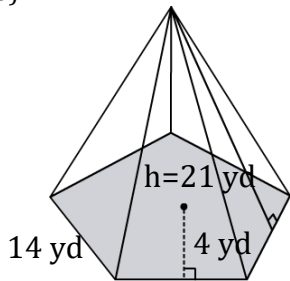
2)



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

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

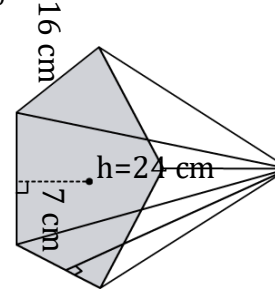
3)



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

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

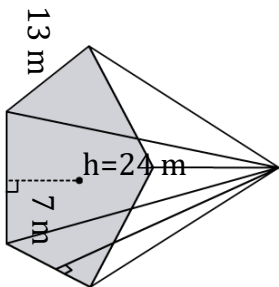
4)



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

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

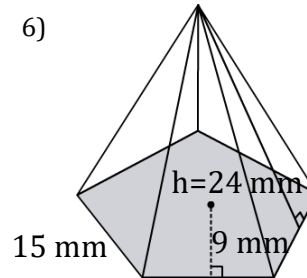
5)



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

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

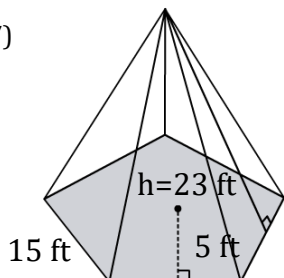
6)



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

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

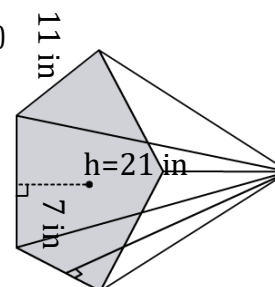
7)



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

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

8)



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

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

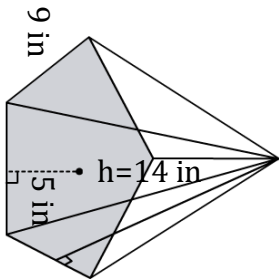
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Name: _____

Date: _____

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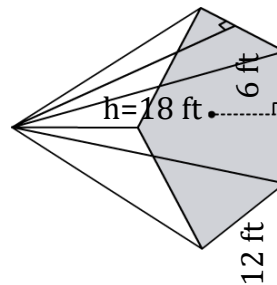
1)



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

$$V = \underline{\quad 525 \text{ in}^3 \quad}$$

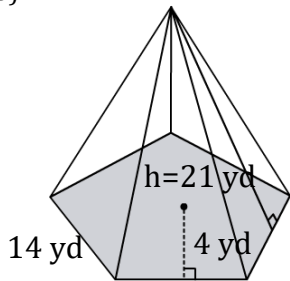
2)



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

$$V = \underline{\quad 1080 \text{ ft}^3 \quad}$$

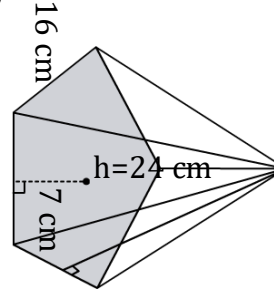
3)



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

$$V = \underline{\quad 980 \text{ yd}^3 \quad}$$

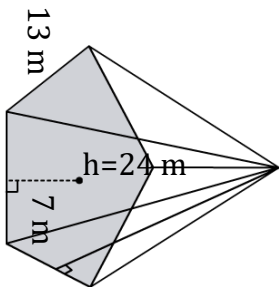
4)



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

$$V = \underline{\quad 2240 \text{ cm}^3 \quad}$$

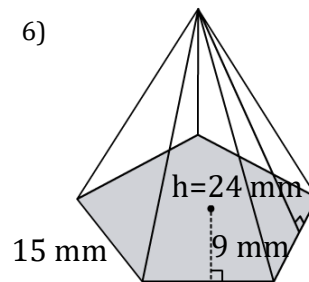
5)



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

$$V = \underline{\quad 1820 \text{ m}^3 \quad}$$

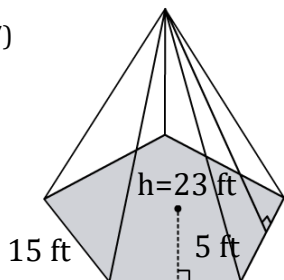
6)



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

$$V = \underline{\quad 2700 \text{ mm}^3 \quad}$$

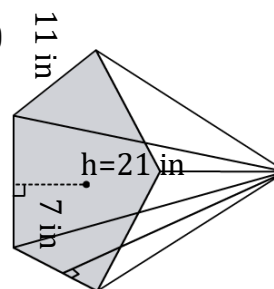
7)



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

$$V = \underline{\quad 1437.5 \text{ ft}^3 \quad}$$

8)



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

$$V = \underline{\quad 1347.5 \text{ in}^3 \quad}$$