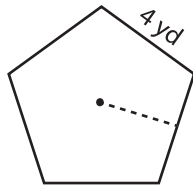


Name : \_\_\_\_\_

## Finding Apothem

**Example:**

Find the apothem of the polygon.



$$\text{Perimeter} = \text{number of sides} \times \text{side length}$$

$$= 5 \times 4 = \mathbf{20 \text{ yd}}$$

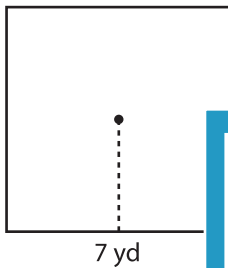
$$\text{Area} = 27.5 \text{ yd}^2$$

$$\text{Apothem} = \frac{2 \times \text{area}}{\text{perimeter}}$$

$$= \frac{2 \times 27.5}{20} = \mathbf{2.75 \text{ yd}}$$

Find the perimeter and apothem of each polygon. Round your answer to two decimal places.

1)

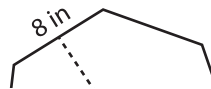


$$\text{Area} = 49 \text{ yd}^2$$

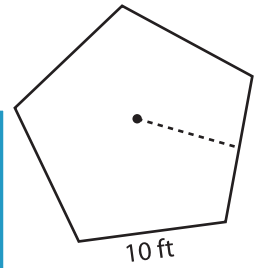
Perimeter = \_\_\_\_\_

Apothem = \_\_\_\_\_

2)



3)

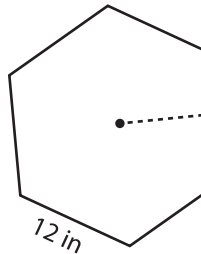


$$\text{Area} = 172.06 \text{ ft}^2$$

Perimeter = \_\_\_\_\_

Apothem = \_\_\_\_\_

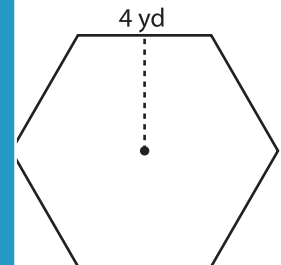
4)



$$\text{Area} = 374.09 \text{ in}^2$$

Perimeter = \_\_\_\_\_

Apothem = \_\_\_\_\_

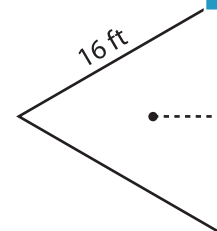


$$\text{Area} = 41.57 \text{ yd}^2$$

Perimeter = \_\_\_\_\_

Apothem = \_\_\_\_\_

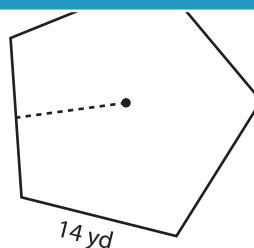
7)



$$\text{Area} = 110.85 \text{ ft}^2$$

Perimeter = \_\_\_\_\_

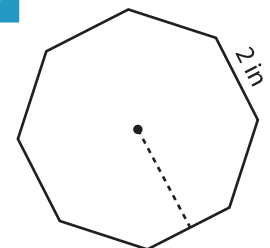
Apothem = \_\_\_\_\_



$$\text{Area} = 337.23 \text{ yd}^2$$

Perimeter = \_\_\_\_\_

Apothem = \_\_\_\_\_



$$\text{Area} = 19.31 \text{ in}^2$$

Perimeter = \_\_\_\_\_

Apothem = \_\_\_\_\_

# PREVIEW

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