

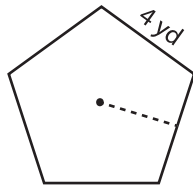
Name : \_\_\_\_\_

L1S1

## Finding Apothem

**Example:**

Find the apothem of the polygon.



Perimeter = number of sides  $\times$  side length

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

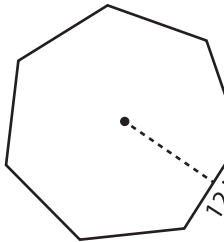
$$\text{Area} = 27.5 \text{ yd}^2$$

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

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

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

1)

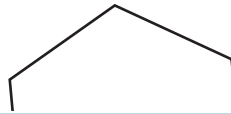


Area = 523.26 in<sup>2</sup>

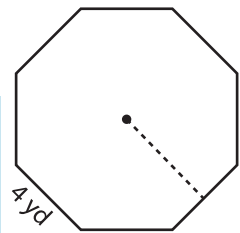
Perimeter = \_\_\_\_\_

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

2)



3)

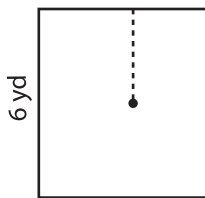


Area = 77.26 yd<sup>2</sup>

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

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

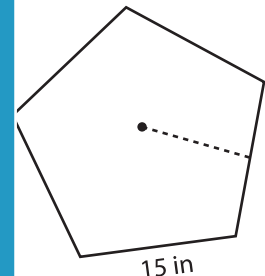
4)



Area = 36 yd<sup>2</sup>

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

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

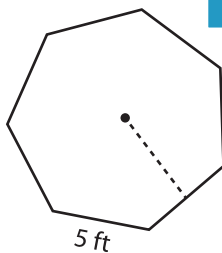


Area = 387.13 in<sup>2</sup>

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

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

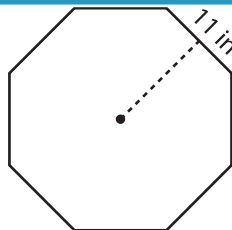
7)



Area = 90.84 ft<sup>2</sup>

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

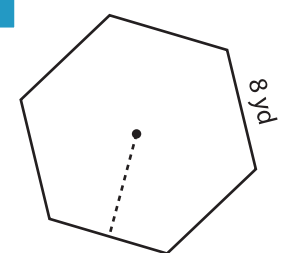
Apothem = \_\_\_\_\_



Area = 584.26 in<sup>2</sup>

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

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



Area = 166.26 yd<sup>2</sup>

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

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

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