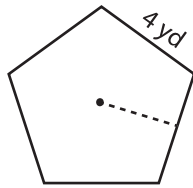


Finding Apothem

Example:

Find the apothem of the polygon.



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

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

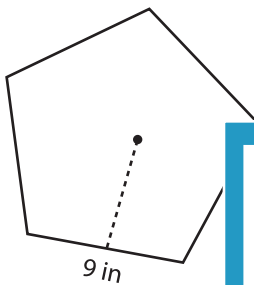
$$\text{Area} = 27.5 \text{ yd}^2$$

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

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

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

1)



Area = 139.37 i

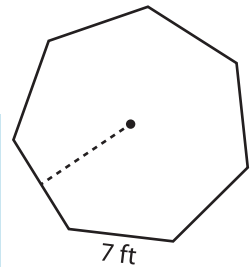
Perimeter = _____

Apothem = _____

2)



3)

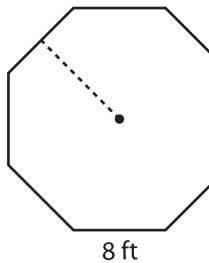


Area = 178.05 ft²

Perimeter = _____

Apothem = _____

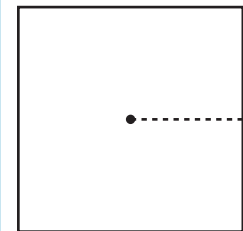
4)



Area = 309.12 i

Perimeter = _____

Apothem = _____



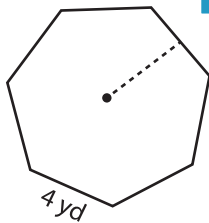
13 yd

Area = 169 yd²

Perimeter = _____

Apothem = _____

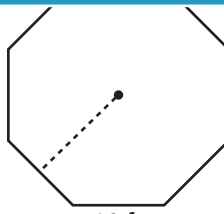
7)



Area = 58.14 yd²

Perimeter = _____

Apothem = _____

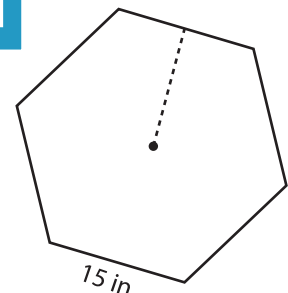


10 ft

Area = 482.86 ft²

Perimeter = _____

Apothem = _____



15 in

Area = 584.52 in²

Perimeter = _____

Apothem = _____

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