Name : _____

Finding Apothem

Example:

Find the apothem of the polygon.

4 yd
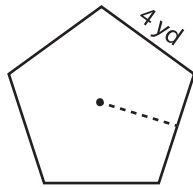
Perimeter = number of sides × side length

= 5 × 4 = **20 yd**
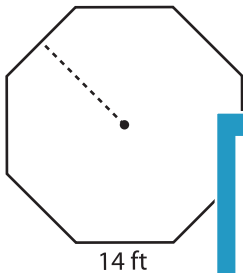
Area = 27.5 yd²

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

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

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

1)

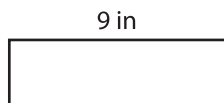14 ft

Area = 946.40 f...

Perimeter = _____
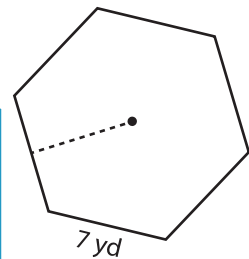
Apothem = _____

2)

9 in

3)

7 yd

Area = 127.29 yd²

Perimeter = _____

Apothem = _____

4)

18 yd

Area = 140.29 y...

Perimeter = _____

Apothem = _____

3 in
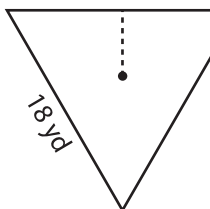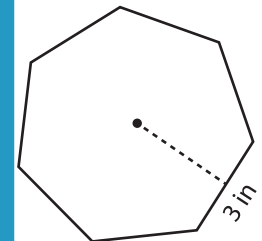
Area = 32.70 in²

Perimeter = _____

Apothem = _____

7)

5 yd
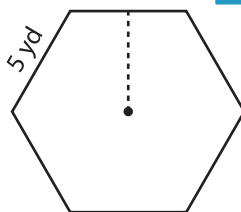
Area = 64.95 yd²

Perimeter = _____

Apothem = _____

6 in
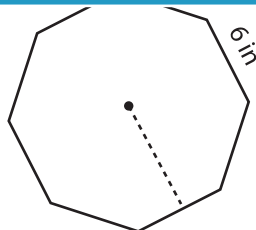
Area = 173.83 in²

Perimeter = _____

Apothem = _____

13 ft
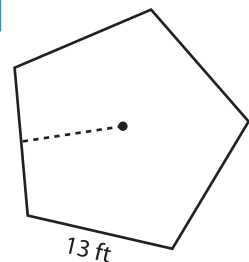
Area = 290.78 ft²

Perimeter = _____

Apothem = _____

PREVIEW

Gain complete access to the largest collection of worksheets in all subjects!

Members, please log in to download this worksheet.

Not a member? Please sign up to gain complete access.

www.mathworksheets4kids.com