

Name : _____

Class: _____

AREA OF A POLYGON

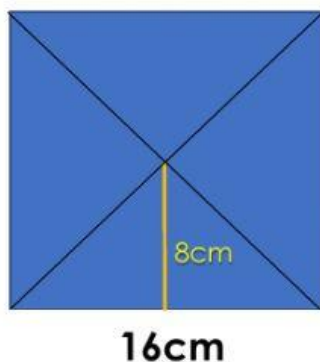
Solve for the area of a polygon using the given equation below:

$$A = \frac{1}{2} \times n \times \text{length of side} \times \text{apothem}$$

$$A = \frac{1}{2} \times \text{perimeter} \times \text{apothem}$$

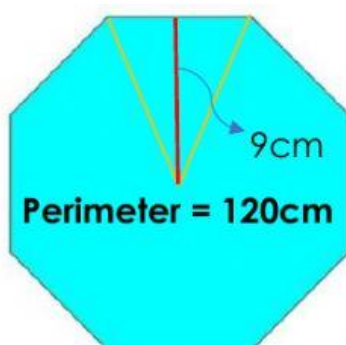
Show your work

1.



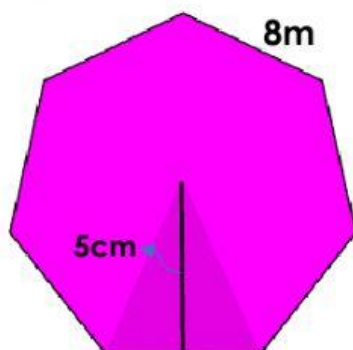
$$\begin{aligned} A &= \frac{1}{2} \times n \times s \times a \\ &= \\ &= \text{cm}^2 \end{aligned}$$

2.



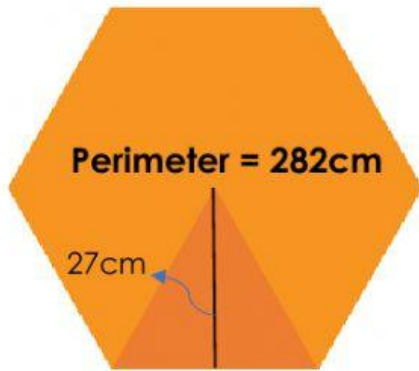
$$\begin{aligned} A &= \frac{1}{2} \times \text{perimeter} \times a \\ &= \\ &= \text{cm}^2 \end{aligned}$$

3.



$$\begin{aligned} A &= \frac{1}{2} \times n \times s \times a \\ &= \\ &= \text{cm}^2 \end{aligned}$$

4.

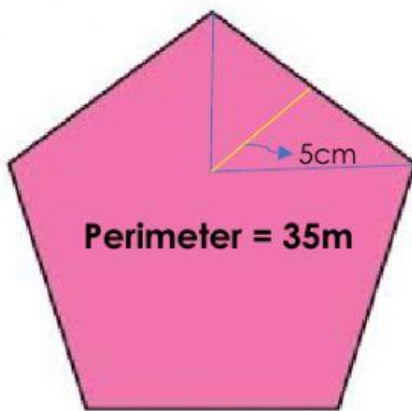


$$A = \frac{1}{2} \times \text{perimeter} \times a$$

$$=$$

$$= \text{cm}^2$$

5.

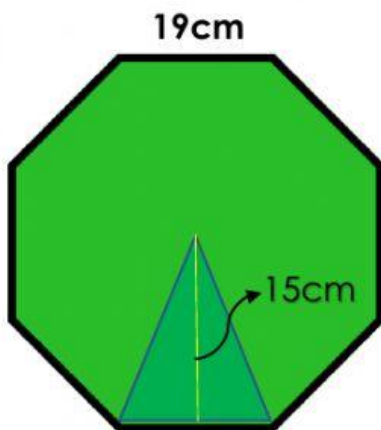


$$A = \frac{1}{2} \times \text{perimeter} \times a$$

$$=$$

$$= \text{cm}^2$$

6.



$$A = \frac{1}{2} \times n \times s \times a$$

$$=$$

$$= \text{cm}^2$$