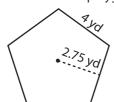
Area of a Polygon

Example:

Find the area of the polygon.



 $Perimeter = number \ of \ sides \times side \ length$

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

Area = $\frac{1}{2}$ × apothem × perimeter

$$=\frac{1}{2}\times 2.75\times 20=$$
 27.5 yd²

Find the area of each polygon using the given apothem. Round your answer to two decimal places.

1)

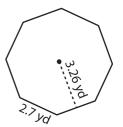


....

Area =

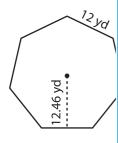
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Area =

4)

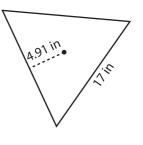


Area =

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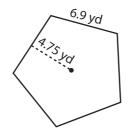
Area =

7)



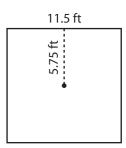
Area =

8)



Area =

9



Area =