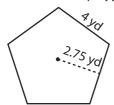
## Area of a Polygon

Example:

Find the area of the polygon.



Perimeter = number of sides  $\times$  side length

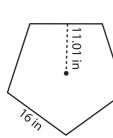
$$= 5 \times 4 = 20 \text{ yd}$$

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

$$=\frac{1}{2}\times 2.75\times 20=$$
 **27.5** yd<sup>2</sup>

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

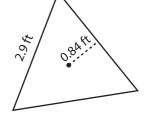
1)



Area =

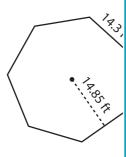
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Area =

4)

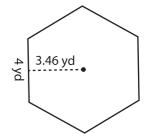


Area =

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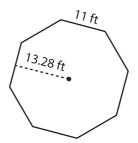
Area = \_\_\_\_\_

7)



Area =

8)



Area =

9)



Area = \_\_\_\_\_