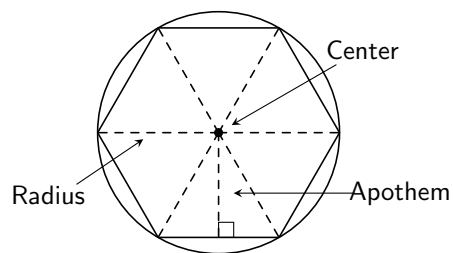


Areas of Regular Polygons

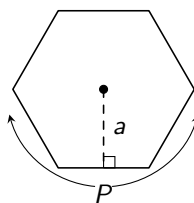
Today I Can

1. Determine the area of regular polygons.



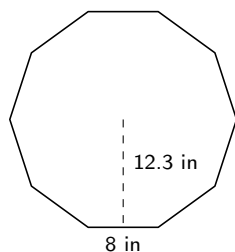
Area of Regular Polygon

- $\text{Area} = \frac{1}{2}aP$

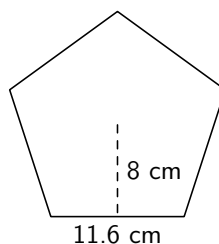


Example 1. What is the area of each?

(a)



(b)



FINDING THE HEIGHT OF AN EQUILATERAL TRIANGLE:

1. Divide side by 2.
2. Multiply that by $\sqrt{3}$.

Example 2. A honeycomb is made up of regular hexagonal cells. The length of a side of a cell is 3 mm. What is the area of the cell?

Example 3. The side of a regular hexagon is 16 ft. What is the exact area of the hexagon?