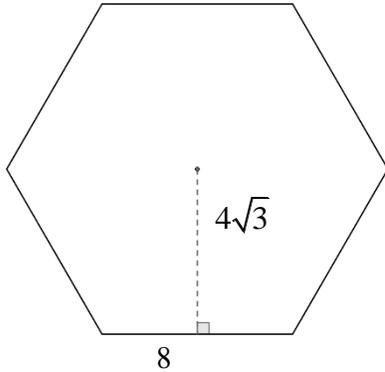


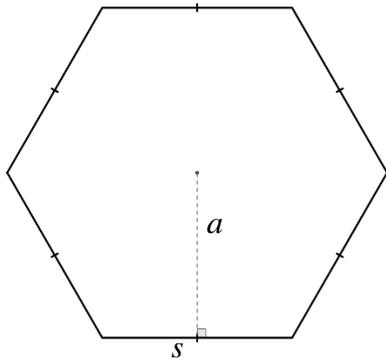
REGULAR POLYGONS – AREA & PERIMETER: GUIDED NOTES

Use what you know about triangles to find the area of the following regular polygon.

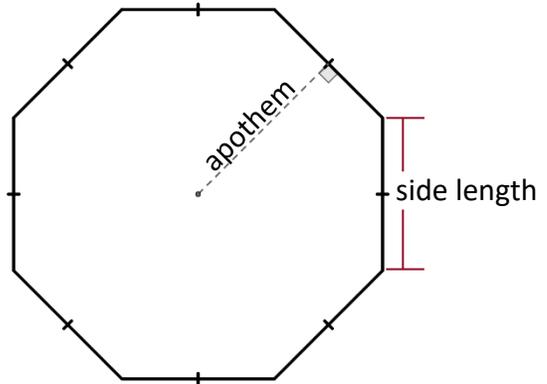
1)



apothem: the perpendicular distance from the center of the polygon to any side of the polygon



a = apothem
 s = side length
 n = number of sides



Area of a Regular Polygon: $A = \frac{1}{2} \cdot a \cdot n \cdot s$

Perimeter of a Regular Polygon: $P = n \cdot s$

Find the area of the following regular polygon.

2)

