

Name: _____

Date: _____

Geometry

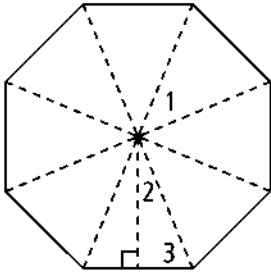
Band: _____

Areas of Regular Polygons Homework

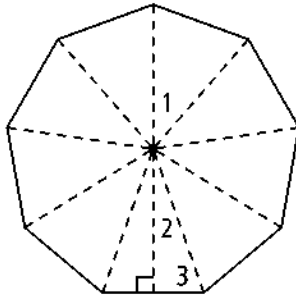
LT#1: Find the area of a regular polygon.

Each regular polygon has radii and apothem as shown. Find the measure of each numbered angle.

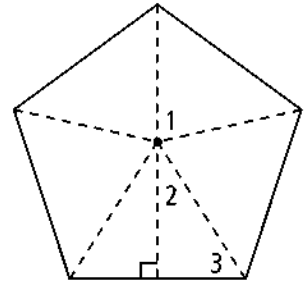
1.



2.

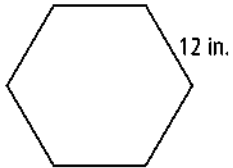


3.

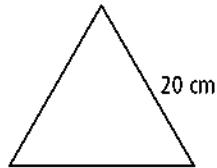


Find the area of each regular polygon. Round your answer to the nearest tenth.

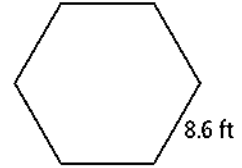
4.



5.

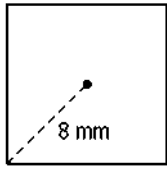


6.

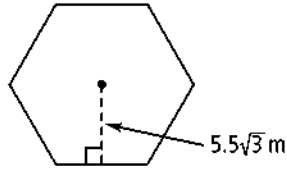


Find the area of each regular polygon with the given radius or apothem. If your answer is not an integer, leave it in simplest radical form.

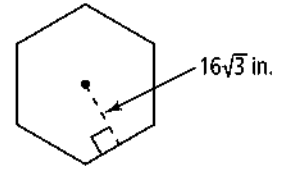
7.



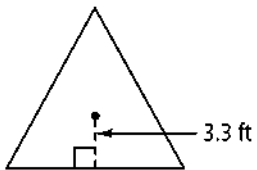
8.



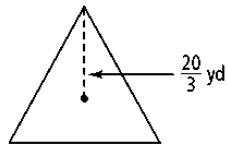
9.



10.



11.



12.

