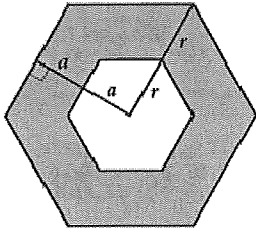


Name: \_\_\_\_\_

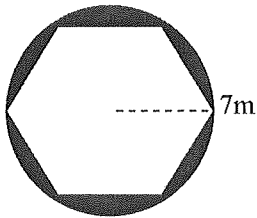
## Area of Regular Polygons Homework

Find the area of the shaded figure. Round to the nearest tenth, if necessary.

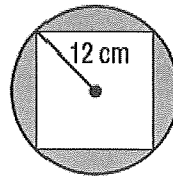
1. Find the area of the shaded regular hexagonal donut. The apothem and sides of the smaller hexagon are half as long as the apothem and sides of the larger hexagon.  $a=6.9\text{cm}$  and  $r=8\text{cm}$ .



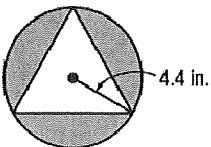
2



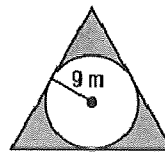
3



4.



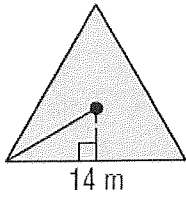
5



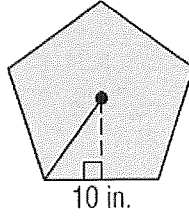
Mixed Practice: (Hint: identify what is given to you first)

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

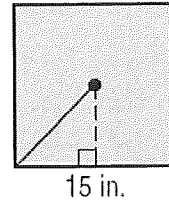
6.



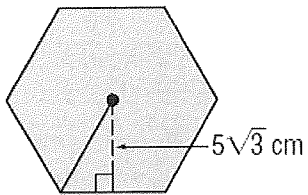
7.



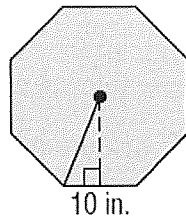
8.



9.



10.



11.

