

# Homework p.539: 1, 7, 9, 11, 13, 14 (a-e)

1 Find the areas and circumferences of circles with the following radii.

a 1

b 8

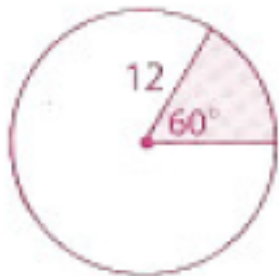
c 15

7 Find the total area of the region shown.

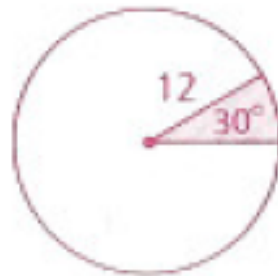


9 Find the area of each sector.

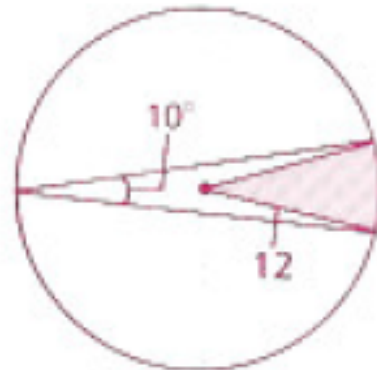
a



b

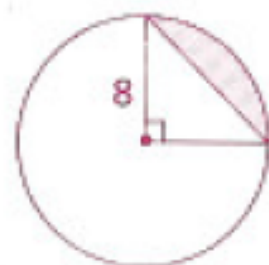


c

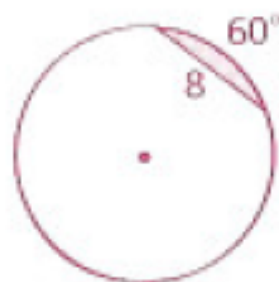


11 Find the area of each segment.

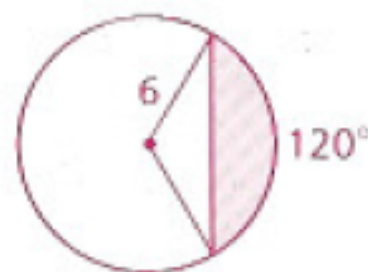
**a**



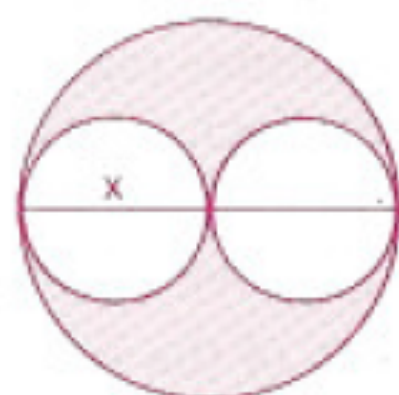
**b**



**c**



- 13 a** What is the area of the shaded region if  $x = 6$ ? If  $x = 10$ ? If  $x = 7$ ?
- b** What observation can you make about the shaded region's area?



**14** Find the area of the shaded part of each figure. (Assume regular polygons.)

