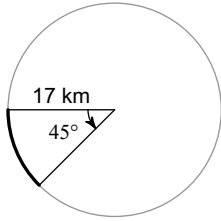


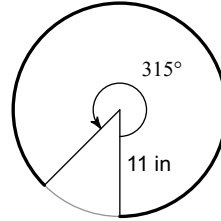
Hw 6.3 Due 3/9 or 3/10

Find the length of each arc.

1)

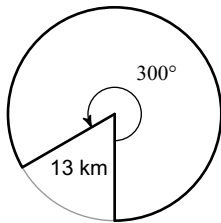


2)

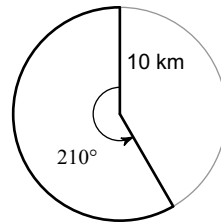


Find the area of each sector.

3)

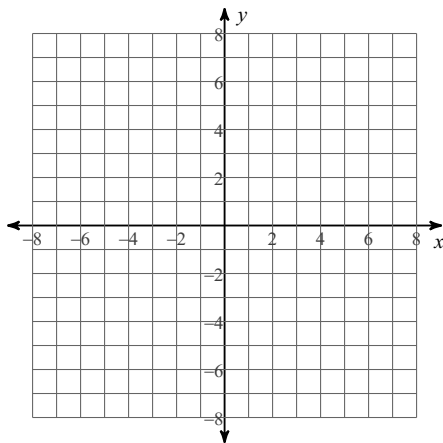


4)

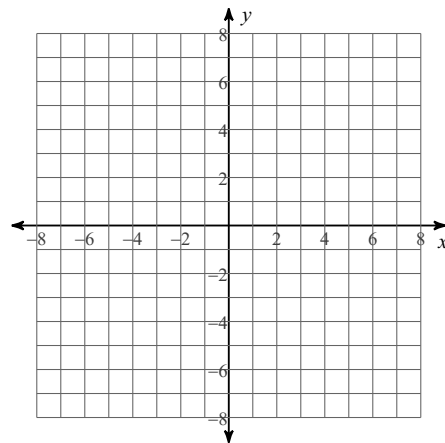


Identify the center and radius of each. Then sketch the graph.

5) $(x + 1)^2 + (y - 2)^2 = 9$



6) $(x - 1)^2 + (y - 1)^2 = 25$



Use the information provided to write the equation of each circle.

7) Center: $(-14, -3)$
 Radius: $\sqrt{6}$

8) Center: $(-1, -5)$
 Radius: 5