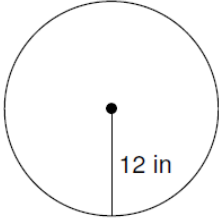**Unit 6: Circles**
Day 2 Area and Circumference Worksheet
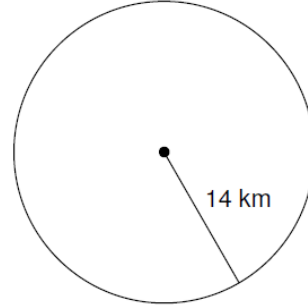
Name:_____
Date: _____Hour: ____

Find the area of each. Use your calculator's value of π. Round your answer to the nearest tenth.
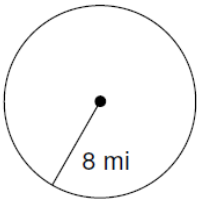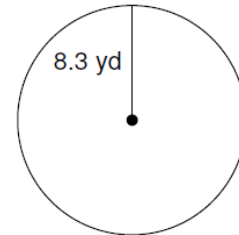
1)

12 in

2)

14 km

3) radius = 2.6 in

4) radius = 34.1 in

Find the circumference of each circle. Use your calculator's value of π. Round your answer to the nearest tenth.

5)

8 mi

6)

8.3 yd

Find the radius of each circle. Use your calculator's value of π. Round your answer to the nearest tenth.

7) circumference = 62.8 mi

8) circumference = 69.1 yd

Find the diameter of each circle. Use your calculator's value of π. Round your answer to the nearest tenth.

9) area = 201.1 in²

10) area = 78.5 ft²

Find the area of each.

11) circumference = 6π yd

12) circumference = 22π in

13) What is the circumference of a 21" (This is the diameter) bicycle wheel?

14) The spray from a spinning lawn sprinkler makes a circle with a 40' radius, what is the circumference and area of the circle?

15) Gears on a bicycle are just circles in shape. One gear has a diameter of 4", and a smaller one has a diameter of 2". How much bigger is the circumference of the larger one compared to the smaller one?