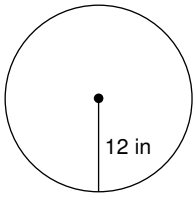
Candle Center - Infinite Geometry Name_____

Circumference and Area of Circles

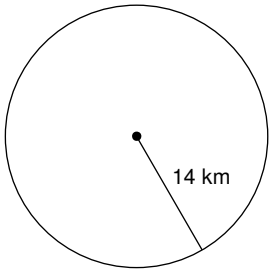
Date_____ Period____

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

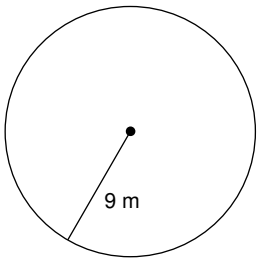
1)



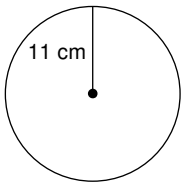
2)



3)



4)



5) radius = 2.6 in

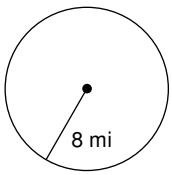
6) radius = 34.1 in

7) radius = 13.2 km

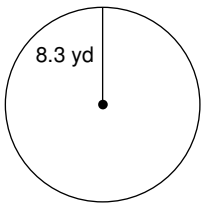
8) radius = 29.9 km

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

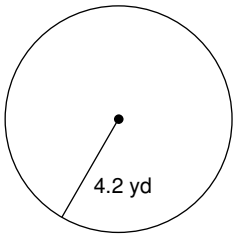
9)



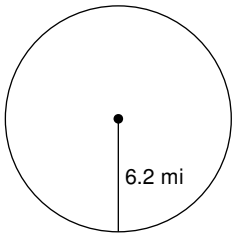
10)



11)



12)



13) radius = 5.2 ft

14) radius = 11.1 ft

15) radius = 9.5 in

16) radius = 9.3 in

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

17) circumference = 62.8 mi

18) circumference = 69.1 yd

19) circumference = 12.6 yd

20) circumference = 25.1 ft

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

21) area = 201.1 in²

22) area = 78.5 ft²

Find the circumference of each circle.

23) area = 64π mi²

24) area = 16π in²

Find the area of each.

25) circumference = 6π yd

26) circumference = 22π in

Critical thinking question:

27) Find the radius of a circle so that its area and circumference have the same value.

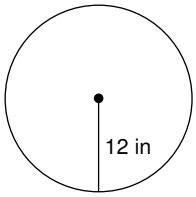
Candle Center - Infinite Geometry Name_____

Circumference and Area of Circles

Date_____ Period____

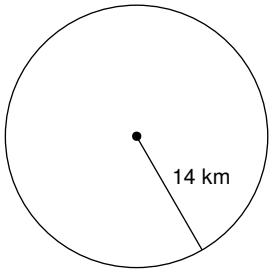
Find the area of each. Use your calculator's value of π. Round your answer to the nearest tenth.

1)



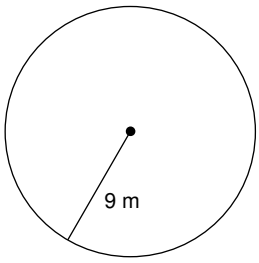
452.4 in²

2)



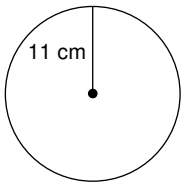
615.8 km²

3)



254.5 m²

4)



380.1 cm²

5) radius = 2.6 in

21.2 in²

6) radius = 34.1 in

3653.1 in²

7) radius = 13.2 km

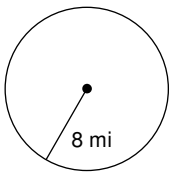
547.4 km²

8) radius = 29.9 km

2808.6 km²

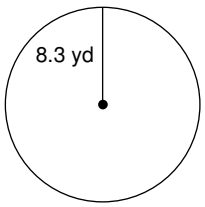
Find the circumference of each circle. Use your calculator's value of π. Round your answer to the nearest tenth.

9)



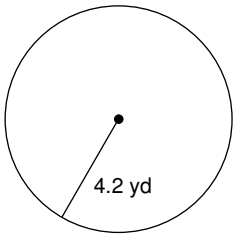
50.3 mi

10)



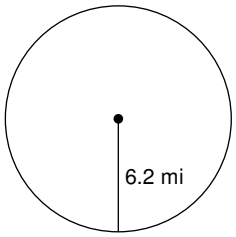
52.2 yd

11)



26.4 yd

12)



39 mi

13) radius = 5.2 ft

32.7 ft

14) radius = 11.1 ft

69.7 ft

15) radius = 9.5 in

59.7 in

16) radius = 9.3 in

58.4 in

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

17) circumference = 62.8 mi

10 mi

18) circumference = 69.1 yd

11 yd

19) circumference = 12.6 yd

2 yd

20) circumference = 25.1 ft

4 ft

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

21) area = 201.1 in²

16 in

22) area = 78.5 ft²

10 ft

Find the circumference of each circle.

23) area = 64π mi²

16π mi

24) area = 16π in²

8π in

Find the area of each.

25) circumference = 6π yd

9π yd²

26) circumference = 22π in

121π in²

Critical thinking question:

27) Find the radius of a circle so that its area and circumference have the same value.

$r = 2$