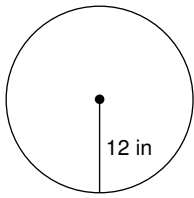


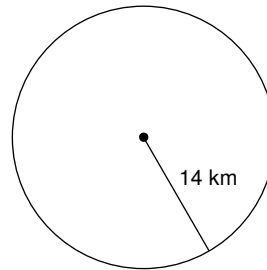
Circumference and Area of Circles

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

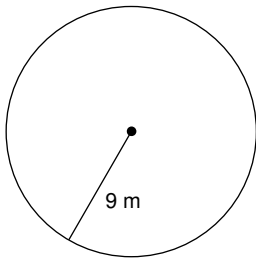
1)



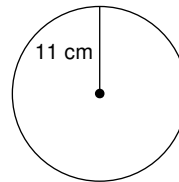
2)



3)



4)



5) radius = 2.6 in

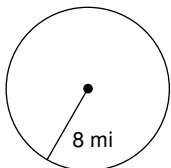
6) radius = 34.1 in

7) radius = 13.2 km

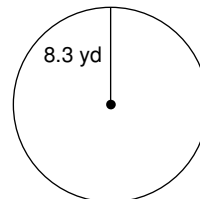
8) radius = 29.9 km

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

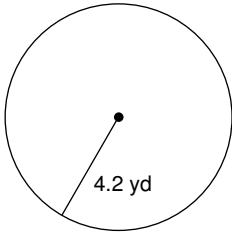
9)



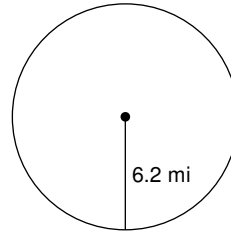
10)



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

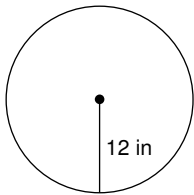
Critical thinking question:

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

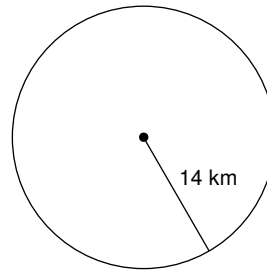
Circumference and Area of Circles

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

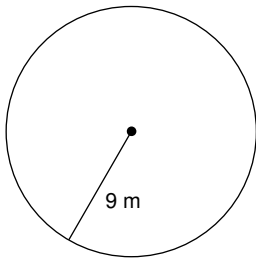
1)

**452.4 in²**

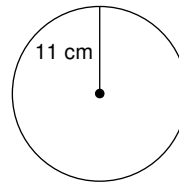
2)

**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

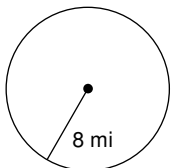
547.4 km²

8) radius = 29.9 km

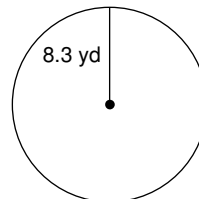
2808.6 km²

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

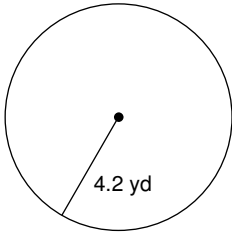
9)

**50.3 mi**

10)

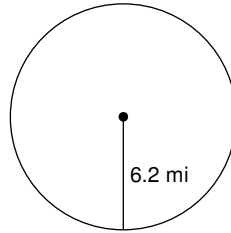
**52.2 yd**

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.

$r = 2$