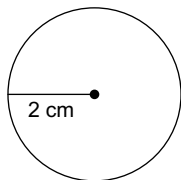


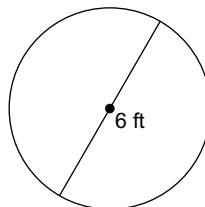
Find the circumference of each circle. Use your calculator's value of π . Round your answer to the nearest tenth.

1)



- A) 12.6 cm B) 14.5 cm
C) 8.9 cm D) 17 cm

2)



- A) 37.6 ft B) 21.3 ft
C) 24.5 ft D) 18.8 ft

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

3) radius = 4 km

- A) 805.4 km² B) 50.3 km²
C) 12.6 km² D) 52.8 km²

4) radius = 10 mi

- A) 314.2 mi² B) 78.6 mi²
C) 1256.8 mi² D) 31424.1 mi²

5) diameter = 10 in

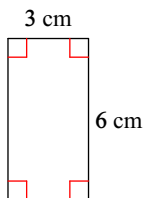
- A) 19.6 in² B) 109.3 in²
C) 113 in² D) 78.5 in²

6) diameter = 14 in

- A) 38.5 in² B) 153.9 in²
C) 615.6 in² D) 191.1 in²

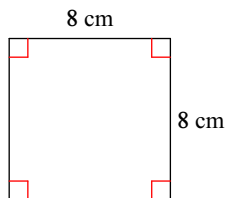
Find the area of each.

7)



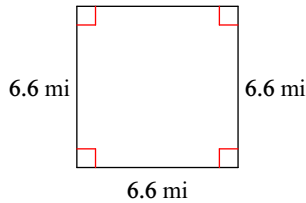
- A) 18 cm² B) 36 cm²
C) 9 cm² D) 10.8 cm²

8)



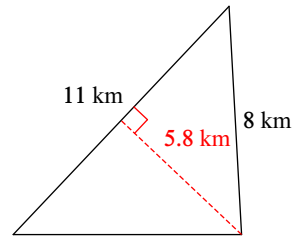
- A) 128 cm² B) 32 cm²
C) 68.8 cm² D) 64 cm²

9)



- A) 21.8 mi^2 B) 57.36 mi^2
 C) 48.66 mi^2 D) 43.56 mi^2

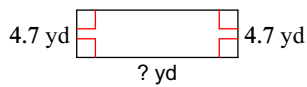
10)



- A) 37.3 km^2 B) 16 km^2
 C) 31.9 km^2 D) 28.9 km^2

Find the missing measurement. Round your answer to the nearest tenth. Take care to use the correct units.

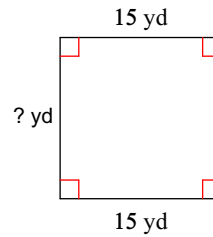
11)



Area = 75.2 yd^2

- A) 21.6 yd B) 13.5 yd
 C) 17.8 yd D) 16 yd

12)

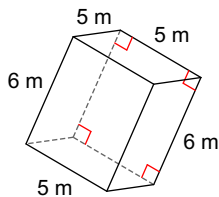


Area = 225 yd^2

- A) 18.2 yd B) 15 yd
 C) 16 yd D) 16.9 yd

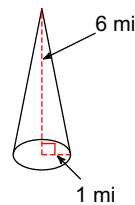
Find the volume of each figure. Round your answers to the nearest whole, if necessary.

13)



- A) 150 m^3 B) 170 m^3
 C) 139 m^3 D) 118 m^3

14)



- A) 18 mi^3 B) 6 mi^3
 C) 13 mi^3 D) 9 mi^3

15) A cylinder with a diameter of 22 cm and a height of 6 cm.

- A) 1581 cm^3 B) 2222 cm^3
 C) 2281 cm^3 D) 9123 cm^3

16) A sphere with a radius of 3 ft.

- A) 905 ft^3 B) 113 ft^3
 C) 86 ft^3 D) 123 ft^3