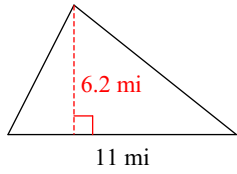


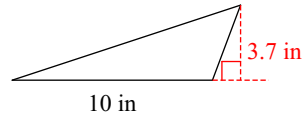
Unit 6.7 Area, and Circumference EXAMPLES

Find the area of each.

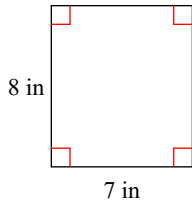
1)



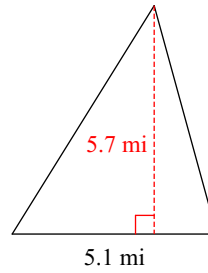
2)



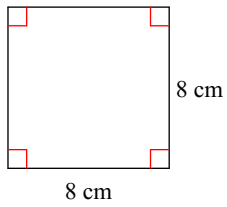
3)



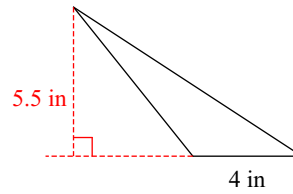
4)



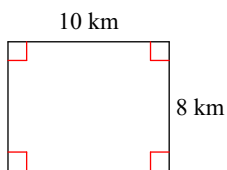
5)



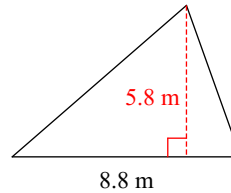
6)



7)

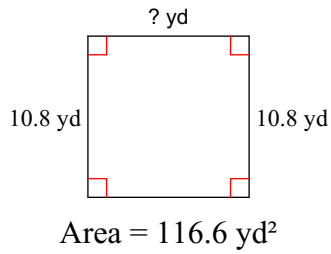


8)

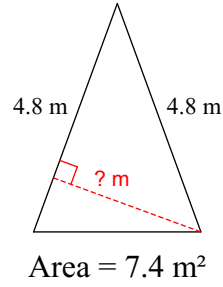


Find the missing measurement. Round your answer to the nearest tenth.

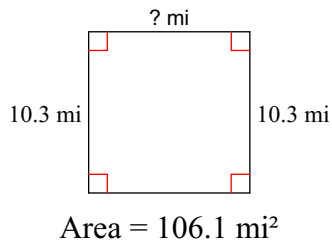
9)



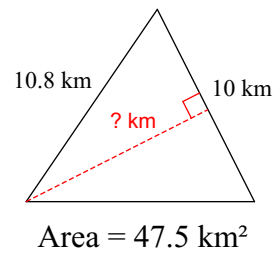
10)



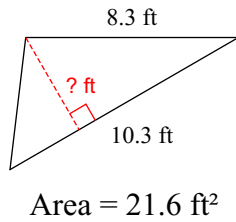
11)



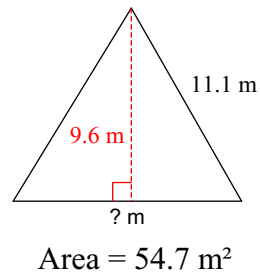
12)



13)

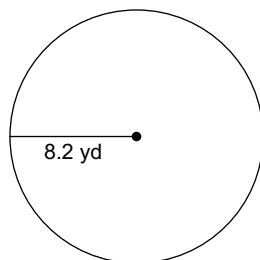


14)

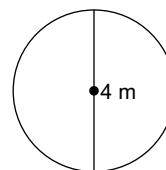


Find the circumference of each circle. Use your calculator's value of π . Round your answer to the nearest tenth.

15)

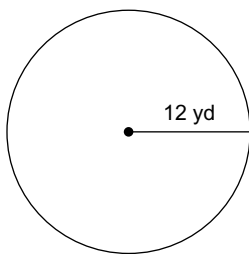


16)

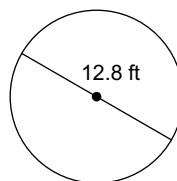


Find the area of each. Use your calculator's value of π . Round your answer to the nearest tenth.

17)



18)



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

19) circumference = 63.5 mi

20) circumference = 50.3 in

21) area = 422.7 m²

22) area = 452.4 m²

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

23) circumference = 18.8 km

24) circumference = 29.5 yd

25) area = 153.9 cm²

26) area = 167.4 ft²

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

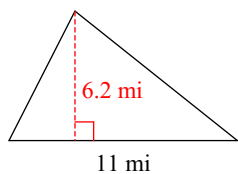
27) area = 380.1 in²

28) area = 452.4 m²

Unit 6.7 Area, and Circumference EXAMPLES

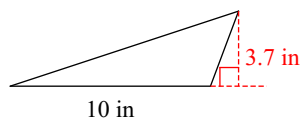
Find the area of each.

1)



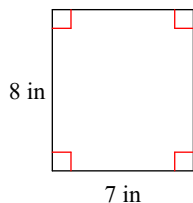
34.1 mi^2

2)



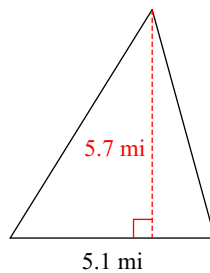
18.5 in^2

3)



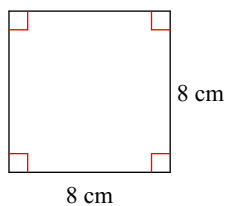
56 in^2

4)



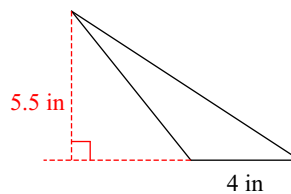
14.535 mi^2

5)



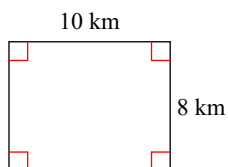
64 cm^2

6)



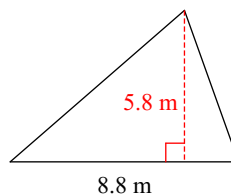
11 in^2

7)



80 km^2

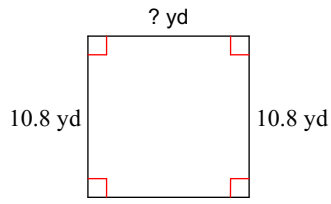
8)



25.52 m^2

Find the missing measurement. Round your answer to the nearest tenth.

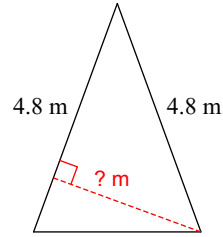
9)



Area = 116.6 yd²

10.8 yd

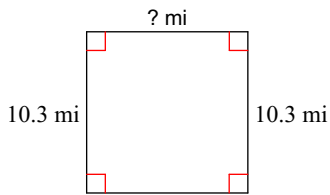
10)



Area = 7.4 m²

3.1 m

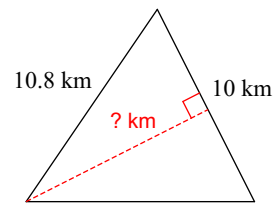
11)



Area = 106.1 mi²

10.3 mi

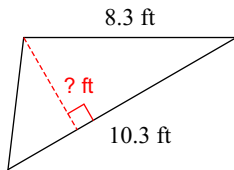
12)



Area = 47.5 km²

9.5 km

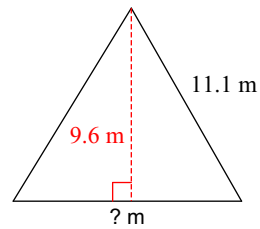
13)



Area = 21.6 ft²

4.2 ft

14)

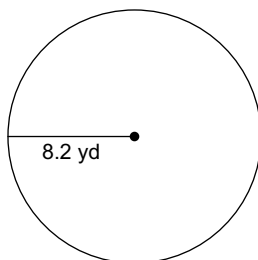


Area = 54.7 m²

11.4 m

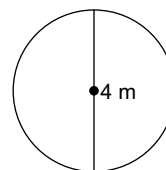
Find the circumference of each circle. Use your calculator's value of π . Round your answer to the nearest tenth.

15)



51.5 yd

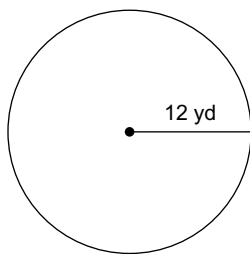
16)



12.6 m

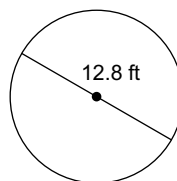
Find the area of each. Use your calculator's value of π . Round your answer to the nearest tenth.

17)



452.4 yd²

18)



128.7 ft²

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

19) circumference = 63.5 mi

10.1 mi

20) circumference = 50.3 in

8 in

21) area = 422.7 m²

11.6 m

22) area = 452.4 m²

12 m

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

23) circumference = 18.8 km

6 km

24) circumference = 29.5 yd

9.4 yd

25) area = 153.9 cm²

14 cm

26) area = 167.4 ft²

14.6 ft

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

27) area = 380.1 in²

69.1 in

28) area = 452.4 m²

75.4 m