Geometry Review 2.1
Algebra 2

Find the missing measures. Give circumference and area in terms of pi and to the nearest tenth.

1) Circle
radius = 5 in

diameter =

Circum. =
        =

Area =
     =

2) Circle
r =

d =

C = 78π mm =

A =
  =

3) Circle
r =

d =

C = 155 m

A =
  =

4) Circle
r =

d =

C =
  =

A = 94 ft²

Find the length of minor arc AB using a proportion.

5)

B
A 74°
C = 523 cm

6)

A
120°
C = 89 ft
B

7)

B
180°
D = 6 in
A

8)

D = 40 m
B 26°
A
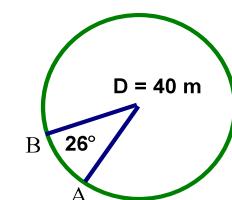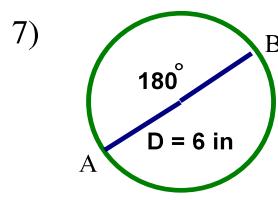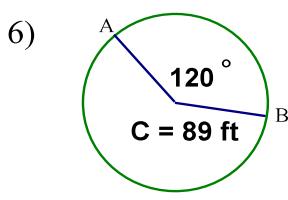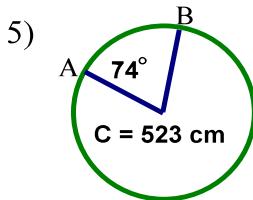
Find the area of the sector using a proportion.

9)

94°
A = 63 cm²

10)

51°
A = 122 ft²

11)

210° r = 7 cm

12)

100°
r = 14 m
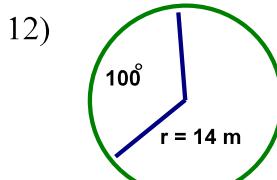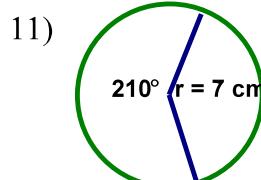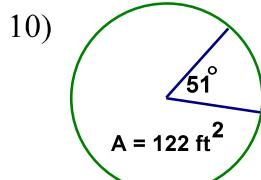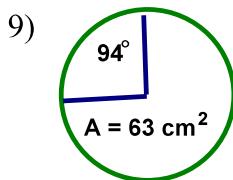
Find the length of the missing side.

13)

50
14

14)

40
9

15)

8
4

16)

11
10
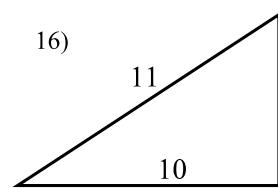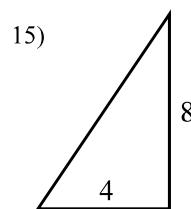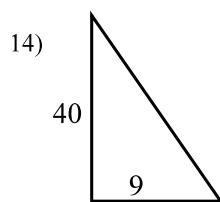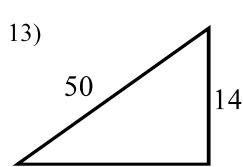
Given the length of one side of the 45-45-90 triangle at the right find the other two sides to the nearest tenth..

17) J = 7

18) K = 10

19) K = 4

20) L = $6\sqrt{2}$

21) L = $9\sqrt{2}$

22) J = $5\sqrt{2}$
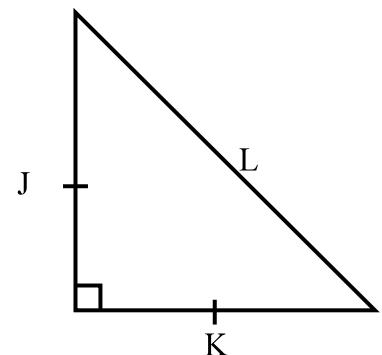
23) L = 24

24) J = 14

25) K = $12\sqrt{2}$

26) L = 17

Given the length of one side of the 30-60-90 triangle at the right find the other sides to the nearest tenth.

27) U = 10

28) U = 22

29) V = 8

30) T = $7\sqrt{3}$

31) U = 13

32) V = 16

33) T = $3\sqrt{3}$

34) U = 6

35) U = $4\sqrt{3}$

36) T = 9