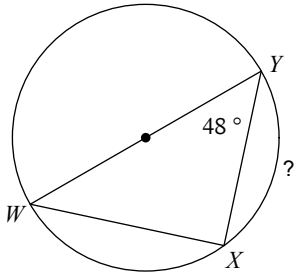


Assignment- Circle

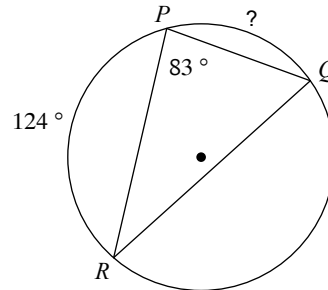
Find the measure of the arc or angle indicated.

1)



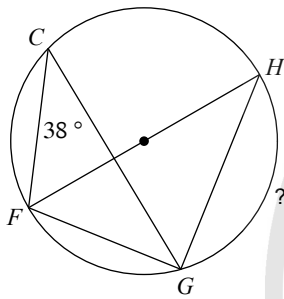
- A) 51°
- B) 107°
- C) 84°
- D) 65°

2)



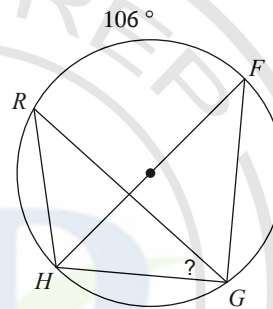
- A) 70°
- B) 75°
- C) 68°
- D) 43°

3)



- A) 76°
- B) 97°
- C) 74°
- D) 104°

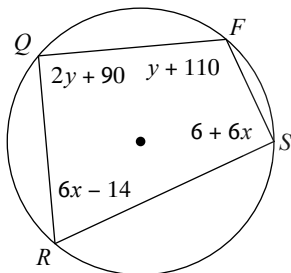
4)



- A) 25°
- B) 37°
- C) 47°
- D) 41°

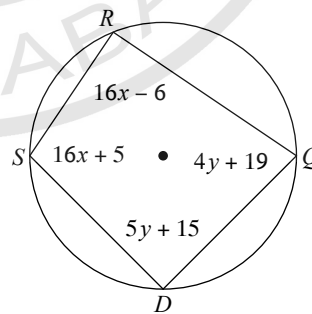
Solve for x and y .

5)



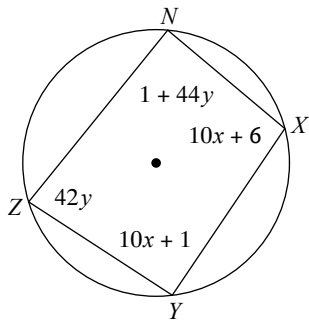
- A) $x = 13, y = 7$
- B) $x = 1, y = 15$
- C) $x = 14, y = 0$
- D) $x = 5, y = 12$

6)



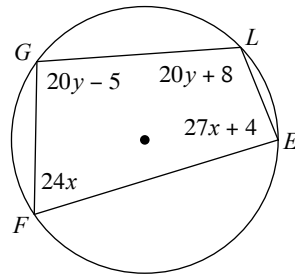
- A) $x = 1, y = 4$
- B) $x = 1, y = 11$
- C) $x = 6, y = 15$
- D) $x = 4, y = 5$

7)



- A) $x = 8, y = 1$
- B) $x = 7, y = 11$
- C) $x = 9, y = 2$
- D) $x = 13, y = 11$

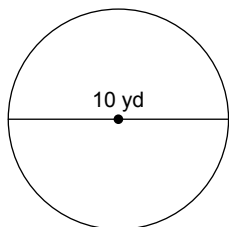
8)



- A) $x = 3, y = 5$
- B) $x = 5, y = 5$
- C) $x = 11, y = 3$
- D) $x = 0, y = 0$

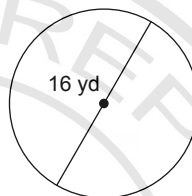
Find the circumference of each circle.

9)



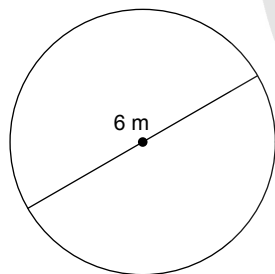
- A) 8π yd
- B) 14π yd
- C) 6π yd
- D) 10π yd

10)



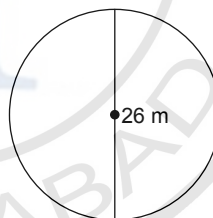
- A) 16π yd
- B) 22π yd
- C) 14π yd
- D) 12π yd

11)



- A) 4π m
- B) 6π m
- C) 10π m
- D) 8π m

12)

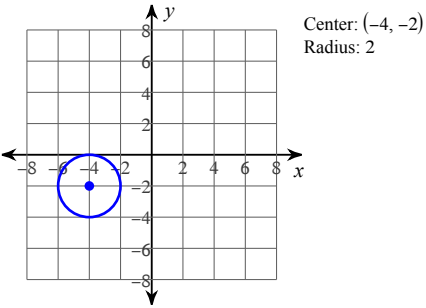


- A) 22π m
- B) 24π m
- C) 26π m
- D) 18π m

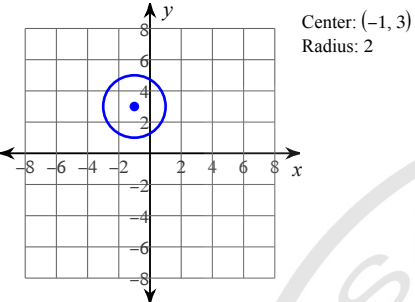
Identify the center and radius of each. Then sketch the graph.

13) $(x + 3)^2 + (y - 1)^2 = 4$

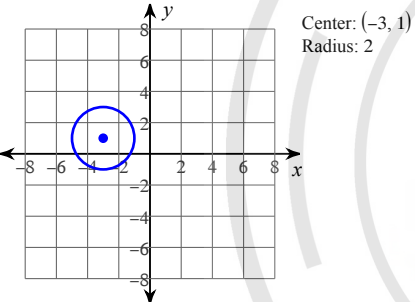
A)



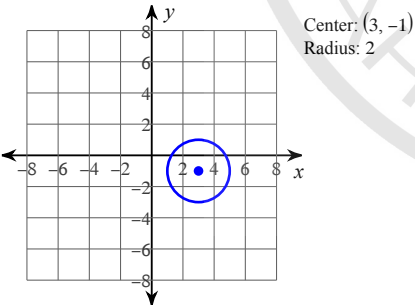
B)



C)

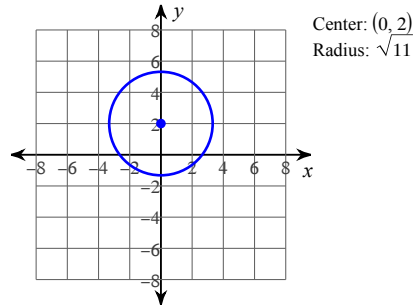


D)

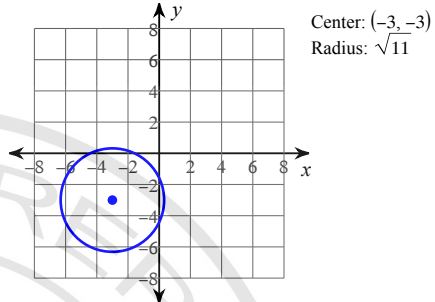


14) $(x + 3)^2 + (y - 2)^2 = 11$

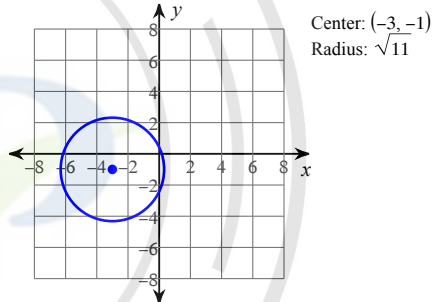
A)



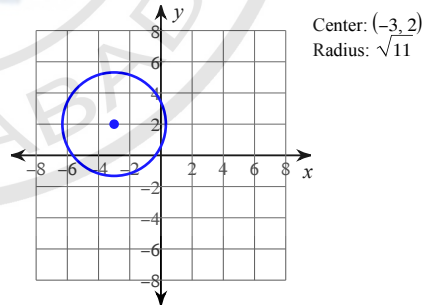
B)



C)

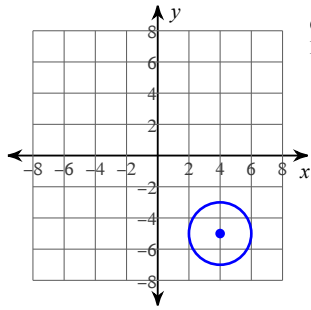


D)



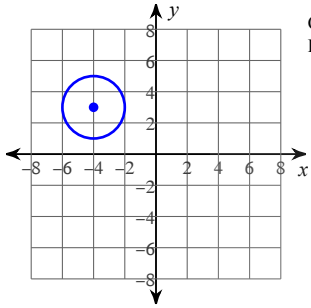
$$15) (x + 4)^2 + (y - 3)^2 = 4$$

A)



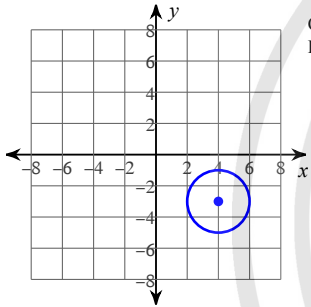
Center: (4, -5)
Radius: 2

B)



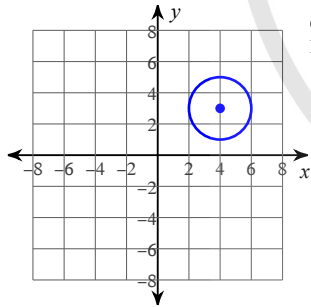
Center: (-4, 3)
Radius: 2

C)



Center: (4, -3)
Radius: 2

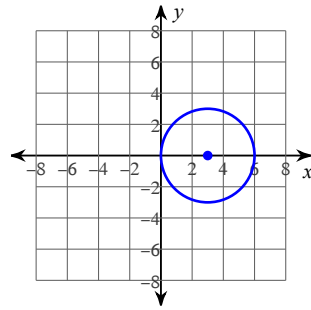
D)



Center: (4, 3)
Radius: 2

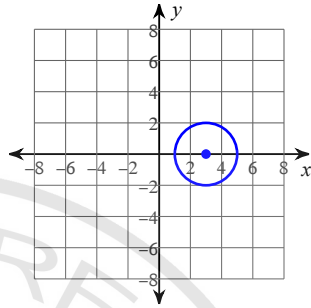
$$16) x^2 + (y + 3)^2 = 9$$

A)



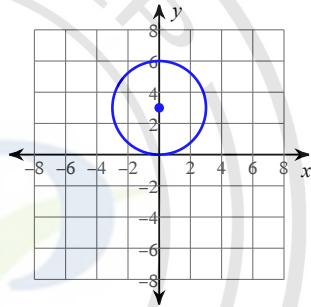
Center: (3, 0)
Radius: 3

B)



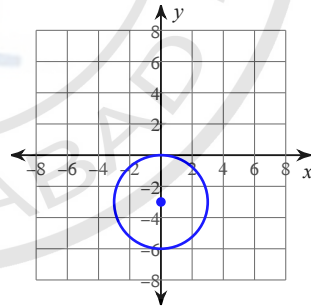
Center: (3, 0)
Radius: 2

C)



Center: (0, 3)
Radius: 3

D)



Center: (0, -3)
Radius: 3

Use the information provided to write the equation of each circle.

17) Center: (0, 4)

Radius: 10

- A) $x^2 + (y - 4)^2 = 10000$
- B) $x^2 + (y - 4)^2 = 25$
- C) $x^2 + (y + 4)^2 = 100$
- D) $x^2 + (y - 4)^2 = 100$

18) Center: (4, 12)

Radius: 3

- A) $(x + 12)^2 + (y + 4)^2 = 81$
- B) $(x + 10)^2 + (y + 5)^2 = 9$
- C) $(x - 4)^2 + (y - 12)^2 = 9$
- D) $(x + 4)^2 + (y + 12)^2 = 9$

19) Center: (3, -11)

Radius: 6

- A) $(x - 3)^2 + (y + 11)^2 = 36$
- B) $(x - 3)^2 + (y - 11)^2 = 1296$
- C) $(x + 11)^2 + (y + 3)^2 = 36$
- D) $(x - 3)^2 + (y + 11)^2 = 1296$

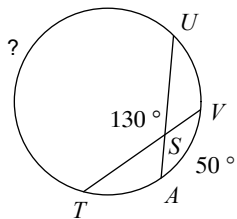
20) Center: (6, -4)

Radius: 9

- A) $(x - 6)^2 + (y + 4)^2 = 81$
- B) $(x - 6)^2 + (y - 4)^2 = 6561$
- C) $(x - 2)^2 + (y + 5)^2 = 81$
- D) $(x - 2)^2 + (y + 7)^2 = 81$

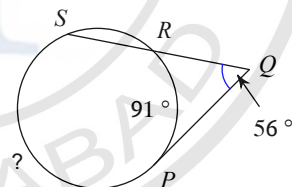
Find the measure of the arc or angle indicated. Assume that lines which appear tangent are tangent.

21)



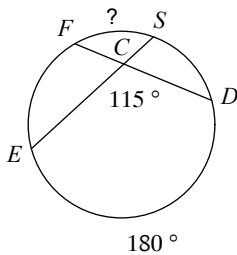
- A) 255°
- B) 225°
- C) 240°
- D) 210°

22)



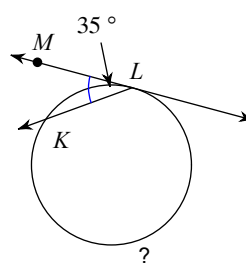
- A) 203°
- B) 254°
- C) 212°
- D) 207°

23)



- A) 34°
- B) 50°
- C) 65°
- D) 55°

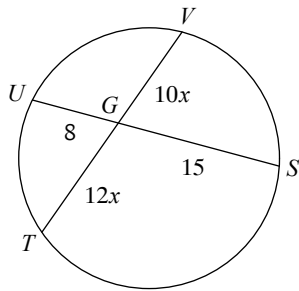
24)



- A) 198°
- B) 146°
- C) 290°
- D) 291°

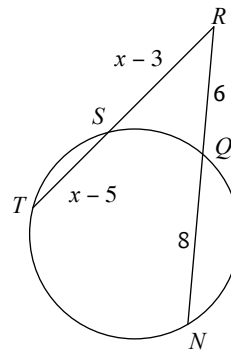
Find the measure of the line segment indicated. Assume that lines which appear tangent are tangent.

25) Find TV



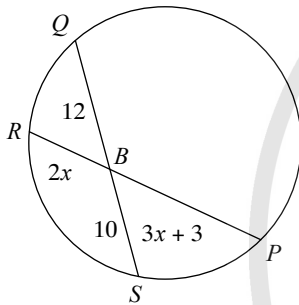
- A) 22
- B) 14
- C) 25
- D) 15

26) Find SR



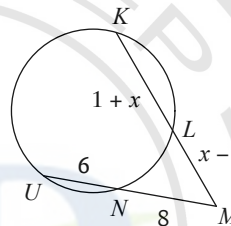
- A) 9
- B) 10
- C) 7
- D) 5

27) Find BP



- A) 15
- B) 9
- C) 11
- D) 19

28) Find LM



- A) 6
- B) 4
- C) 5
- D) 7

Answers to Assignment- Circle (ID: 1)

1) C
5) C
9) D
13) C
17) D
21) D
25) A

2) A
6) C
10) A
14) D
18) C
22) A
26) C

3) D
7) C
11) B
15) B
19) A
23) B
27) A

4) B
8) A
12) C
16) D
20) A
24) C
28) D

