

Equations of Circles 2

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

1) Center: $(-8, -2)$
Radius: 3

2) Center: $(7, 13)$
Radius: 4

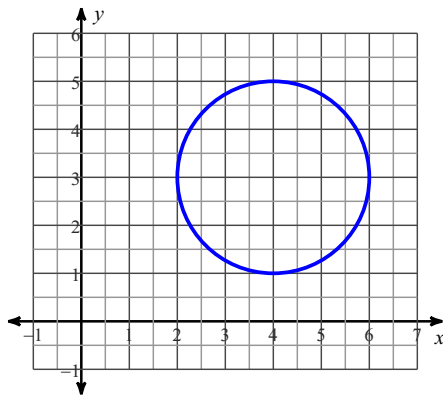
3) Center: $(2, 9)$
Radius: 4

4) Center: $(5, 11)$
Radius: 2

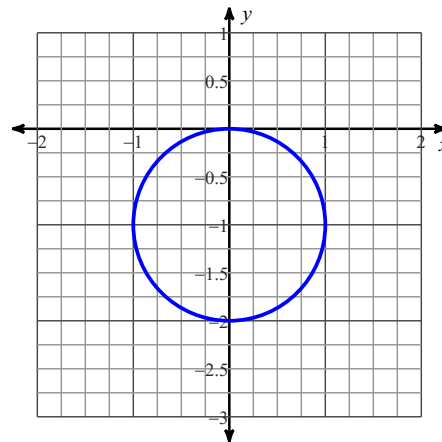
5) Center: $(-4, 2)$
Radius: 1

6) Center: $(13, 1)$
Radius: 4

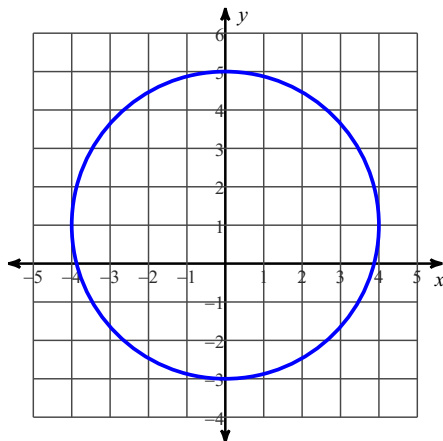
7)



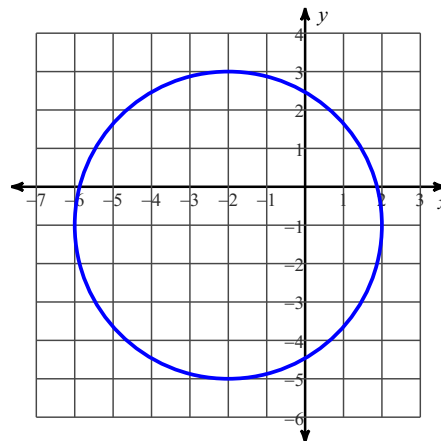
8)



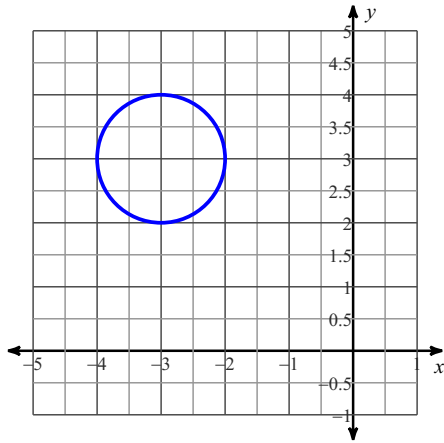
9)



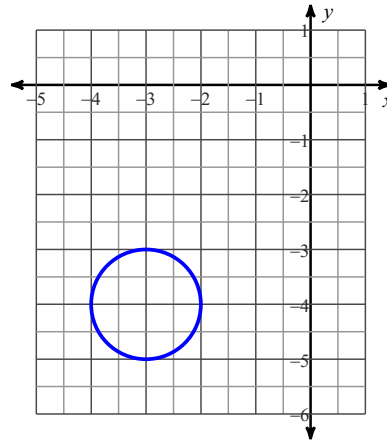
10)



11)



12)



13) Center: $(6, -1)$
Area: 100π

14) Center: $(-5, 1)$
Area: 16π

15) Center: $(5, 16)$
Area: 9π

16) Center: $(16, 16)$
Area: 9π

17) Center: $(2, 5)$
Circumference: 16π

18) Center: $(9, -4)$
Circumference: 14π

19) Center: $(-13, 12)$
Circumference: 4π

20) Center: $(13, -16)$
Circumference: 6π

Answers to Equations of Circles 2 (ID: 1)

1) $(x + 8)^2 + (y + 2)^2 = 9$

4) $(x - 5)^2 + (y - 11)^2 = 4$

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

10) $(x + 2)^2 + (y + 1)^2 = 16$

13) $(x - 6)^2 + (y + 1)^2 = 100$

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

19) $(x + 13)^2 + (y - 12)^2 = 4$

2) $(x - 7)^2 + (y - 13)^2 = 16$

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

8) $x^2 + (y + 1)^2 = 1$

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

14) $(x + 5)^2 + (y - 1)^2 = 16$

17) $(x - 2)^2 + (y - 5)^2 = 64$

20) $(x - 13)^2 + (y + 16)^2 = 9$

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

6) $(x - 13)^2 + (y - 1)^2 = 16$

9) $x^2 + (y - 1)^2 = 16$

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

15) $(x - 5)^2 + (y - 16)^2 = 9$

18) $(x - 9)^2 + (y + 4)^2 = 49$