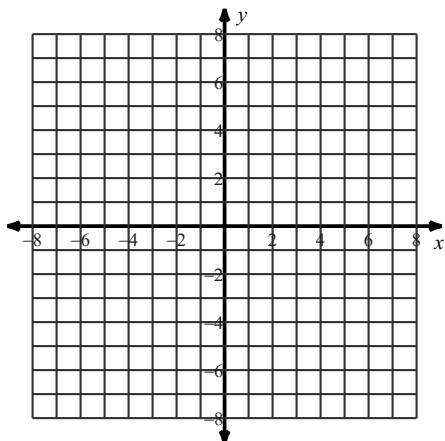


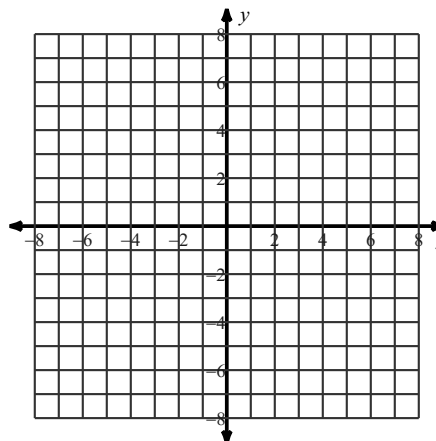
7.2 - Practice

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

1) $(x + 1)^2 + (y - 1)^2 = 36$



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



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

3) Center: $(-5, 6)$
Radius: 9

4) Center: $(-3, 5)$
Radius: 7

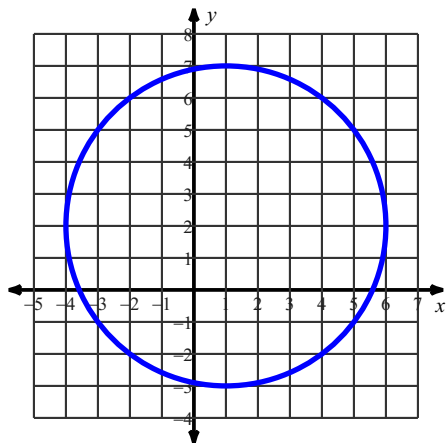
5) Center: $(6, 10)$
Circumference: 8π

6) Center: $(-5, 13)$
Circumference: 2π

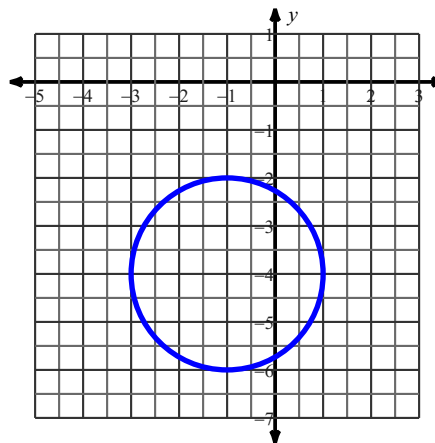
7) Center: $(3, -7)$
Area: 20π

8) Center: $(4, -16)$
Area: 9π

9)



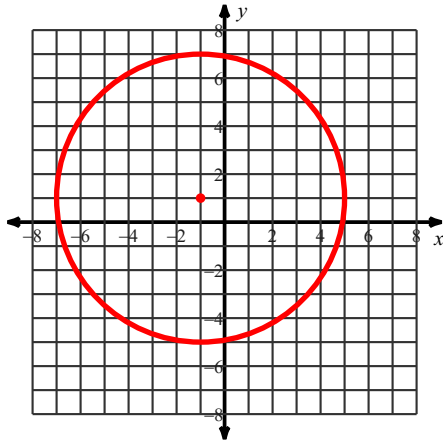
10)



7.2 - Practice

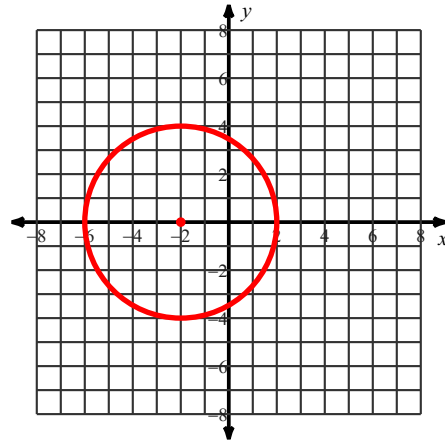
Identify the center and radius of each. Then sketch the graph.

1) $(x + 1)^2 + (y - 1)^2 = 36$



Center: $(-1, 1)$
Radius: 6

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



Center: $(-2, 0)$
Radius: 4

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

3) Center: $(-5, 6)$
Radius: 9

$(x + 5)^2 + (y - 6)^2 = 81$

4) Center: $(-3, 5)$
Radius: 7

$(x + 3)^2 + (y - 5)^2 = 49$

5) Center: $(6, 10)$
Circumference: 8π

$(x - 6)^2 + (y - 10)^2 = 16$

6) Center: $(-5, 13)$
Circumference: 2π

$(x + 5)^2 + (y - 13)^2 = 1$

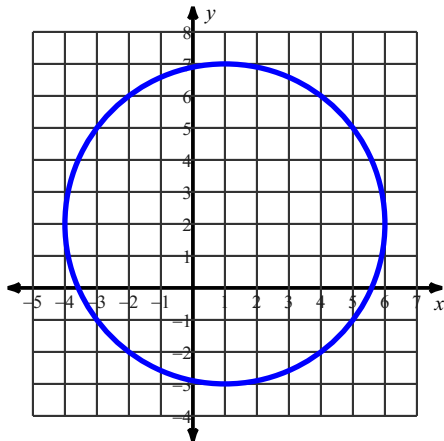
7) Center: $(3, -7)$
Area: 20π

$(x - 3)^2 + (y + 7)^2 = 20$

8) Center: $(4, -16)$
Area: 9π

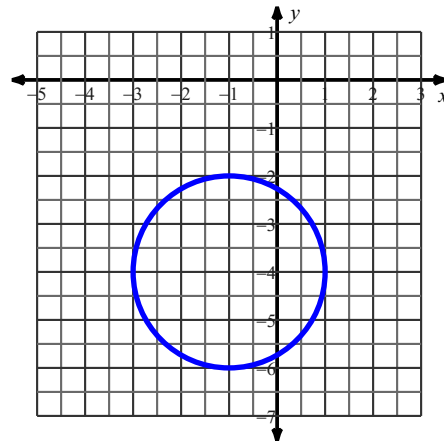
$(x - 4)^2 + (y + 16)^2 = 9$

9)



$(x - 1)^2 + (y - 2)^2 = 25$

10)



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