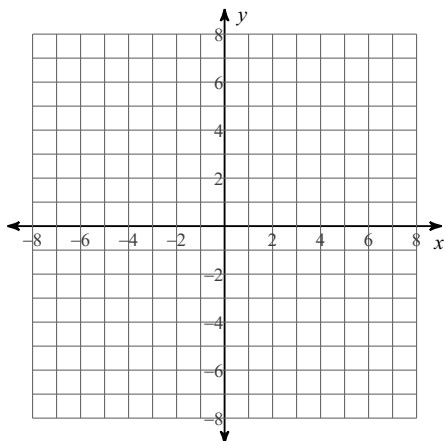


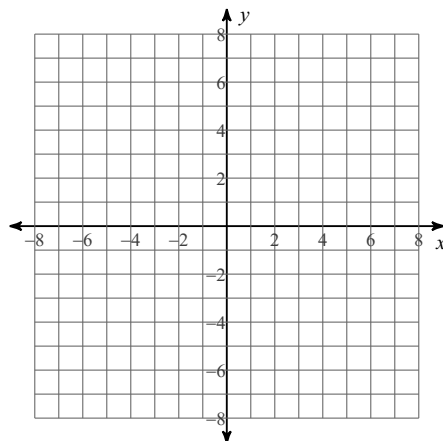
Equation of Circles Day 1

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

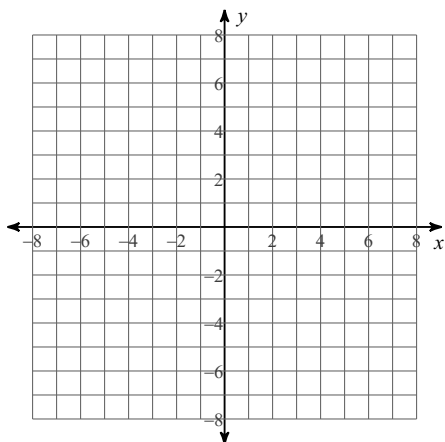
1) $(x + 1)^2 + (y - 1)^2 = 16$



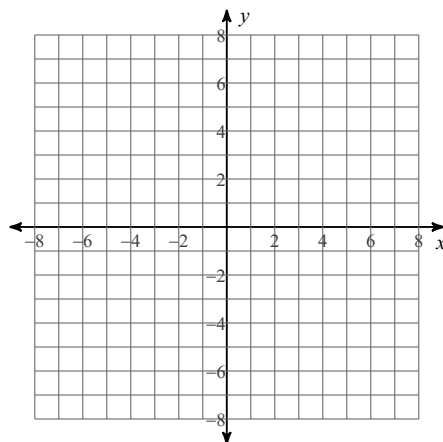
2) $x^2 + (y - 4)^2 = 8$



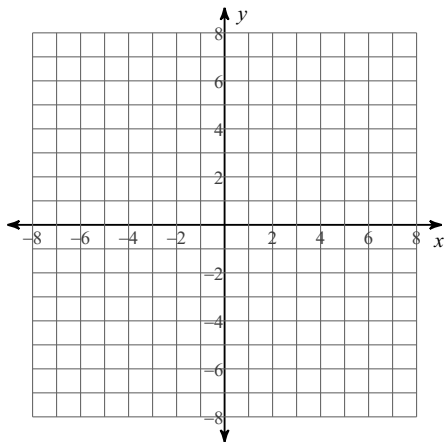
3) $(x + 4)^2 + (y - 4)^2 = 9$



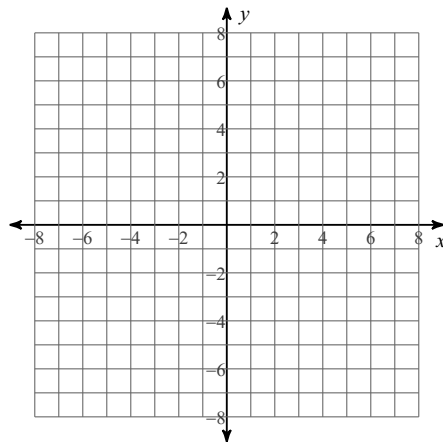
4) $(x - 3)^2 + (y - 4)^2 = 4$



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



6) $(x + 1)^2 + (y - 3)^2 = 16$



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

7) Center: $(1, -13)$
Radius: 5

8) Center: $(-11, 10)$
Radius: 7

9) Center: $(7, -4)$
Radius: 12

10) Center: $(-1, -12)$
Radius: 5

11) Center: $(-10, 12)$
Radius: $\sqrt{42}$

12) Center: $(-13, 5)$
Radius: 1

13) Center: $(7, -8)$
Area: 4π

14) Center: $(16, -14)$
Area: 9π

15) Center: $(8, 1)$
Circumference: 14π

16) Center: $(16, -15)$
Circumference: 6π