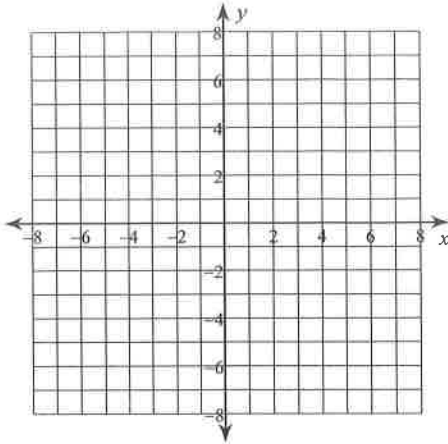


Circles Day 1 Refresher

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

1) $(x - 3)^2 + (y + 1)^2 = 9$



center: (_____ , _____)
radius: _____

Identify the center and radius of each.

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

center: (_____ , _____)

radius: _____

3) $(x - 10)^2 + (y - 5)^2 = 66$

center: (_____ , _____)

radius: _____

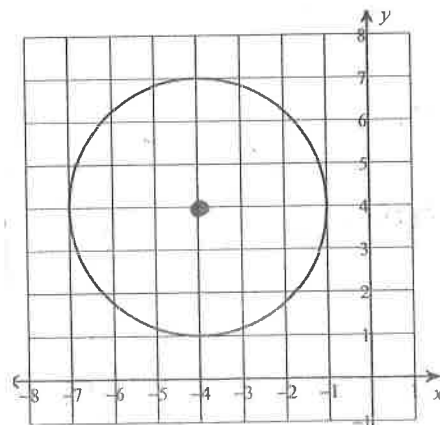
Use the information provided to write the standard form equation of each circle. $(x-h)^2 + (y-k)^2 = r^2$

4) Center: (4, 8)
Radius: 8

5) Center: (10, -9)
Radius: $\sqrt{2}$

6) Center: (-3, -9)
Point on Circle: (-1, -11)

7)



center: (_____ , _____)
radius: _____

Equation: