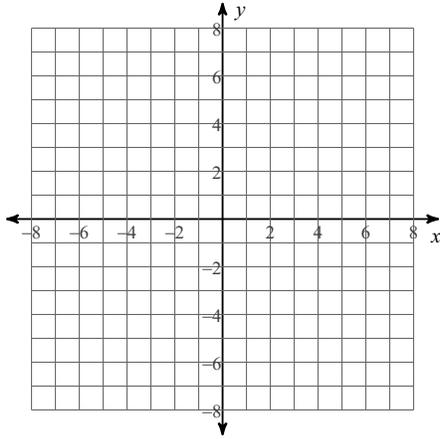


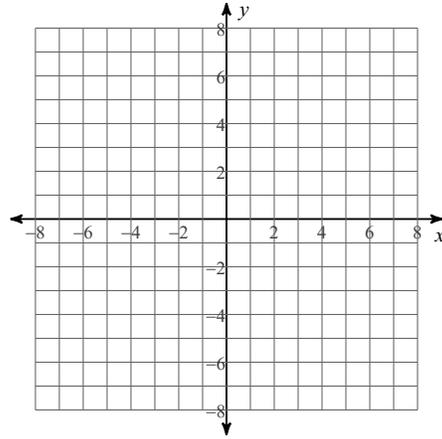
Assignment

Identify the center, radius, and ALL intercepts from the equation of each circle. Then graph the circle. Leave your answers in simplest radical form.

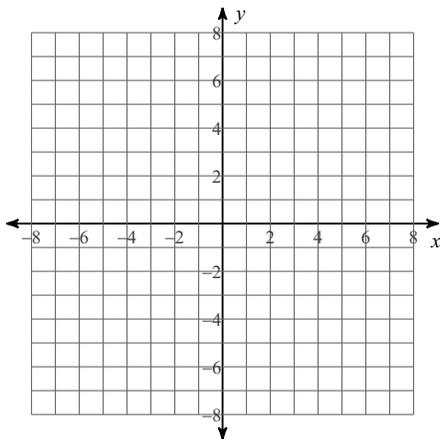
1) $x^2 + y^2 = 36$



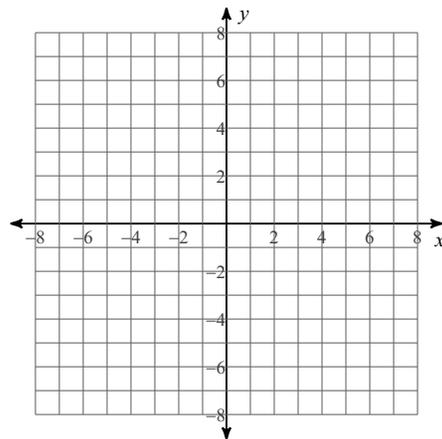
2) $x^2 + y^2 = 19$



3) $(x - 1)^2 + (y - 2)^2 = 17$

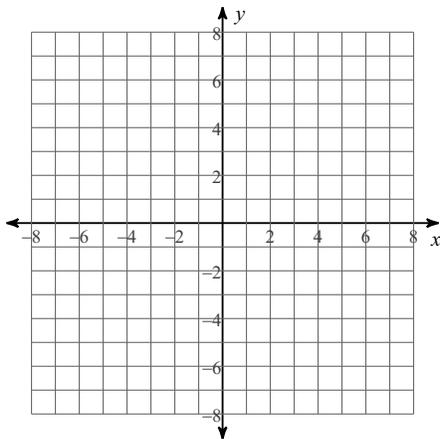


4) $(x - 4)^2 + (y + 2)^2 = 9$

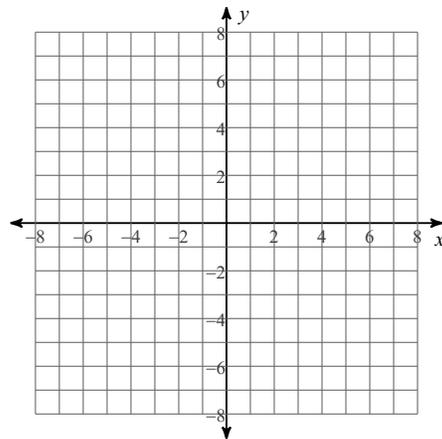


Identify the center and radius of each circle. Then graph the circle. Leave answers as radicals.

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



6) $-2x + 9 = -y^2 - x^2 + 8y$



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

7) Center: $(0, 0)$
Radius: 6

8) Center: $(0, 0)$
Radius: 9

9) Center: $(16, 11)$
Radius: 2

10) Center: $(-7, 0)$
Radius: 5

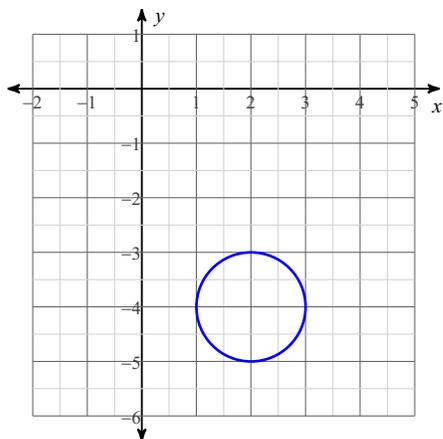
11) Center: $(-8, -2)$
Radius: 6

12) Center: $(4, 5)$
Radius: $\sqrt{179}$

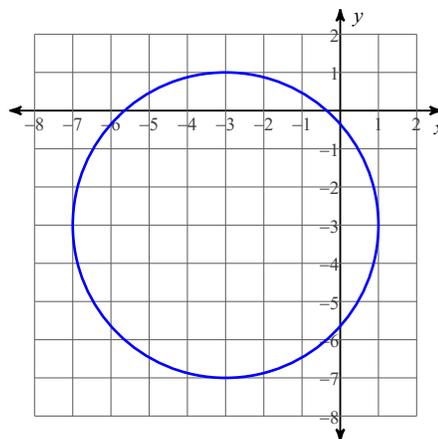
13) Center: $(11, -8)$
Point on Circle: $(17, -4)$

14) Center: $(4, 14)$
Tangent to $x = 7$

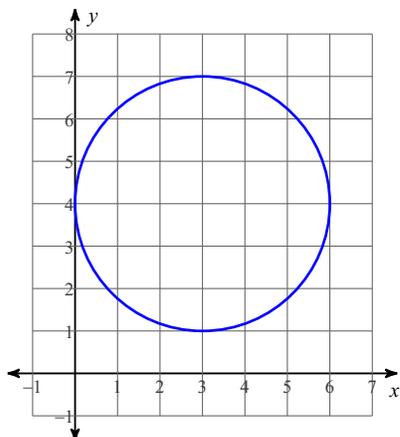
15)



16)



17)



18)

