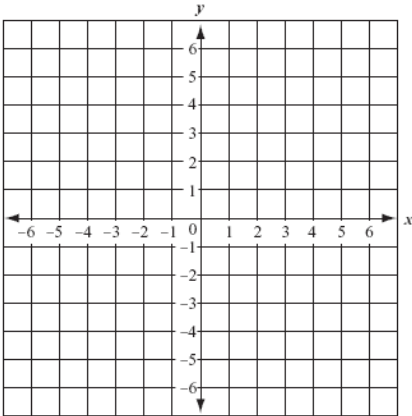


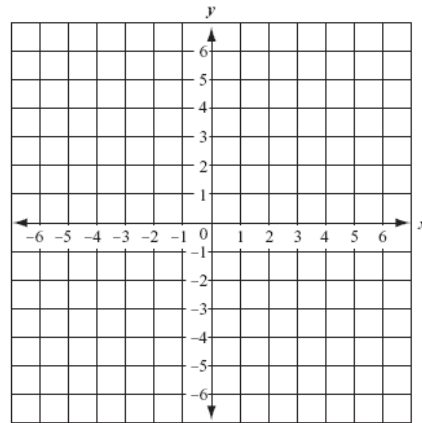
Graphing Circles

Identify the center and radius of the given circle. Then graph it.

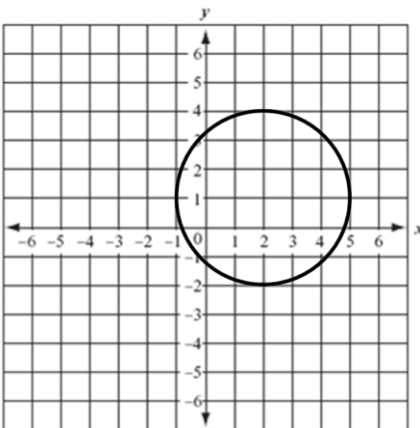
1. $(x - 2)^2 + (y + 3)^2 = 16$



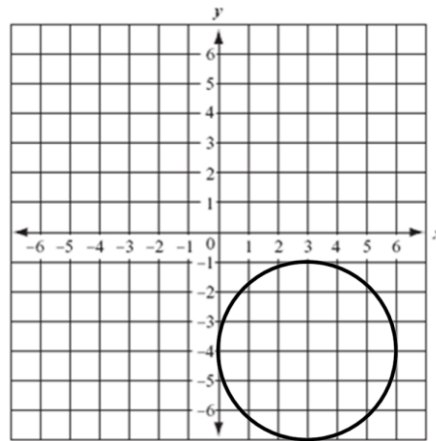
2. $(x + 1)^2 + (y - 1)^2 = 9$



3. Write the equation for the given circle.

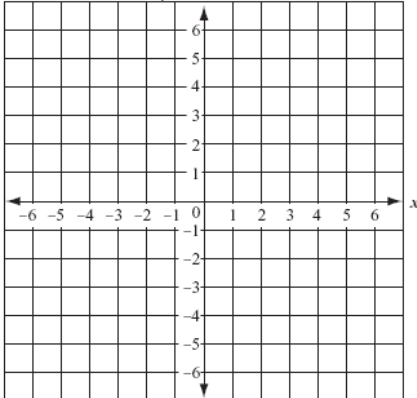


4. Write the equation for the given circle.



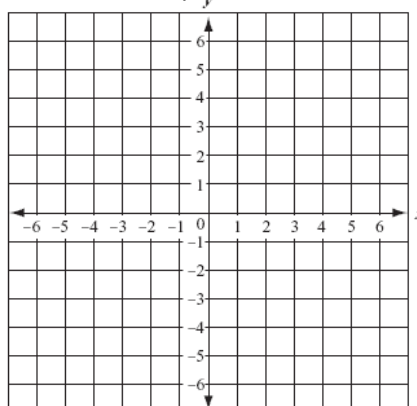
4. A circle has a diameter with endpoints at $(-5, 2)$ to $(1, -6)$.

What is the equation of the circle?



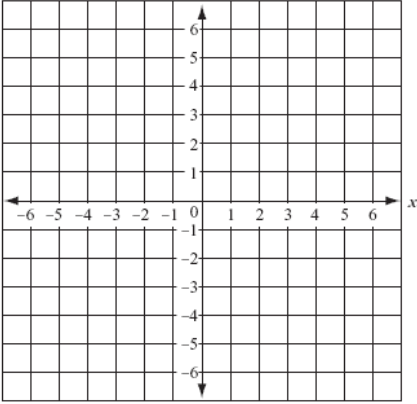
5. A circle has center at $(2, 3)$ and a point on the circle is $(2, 6)$.

What is the equation of the circle?



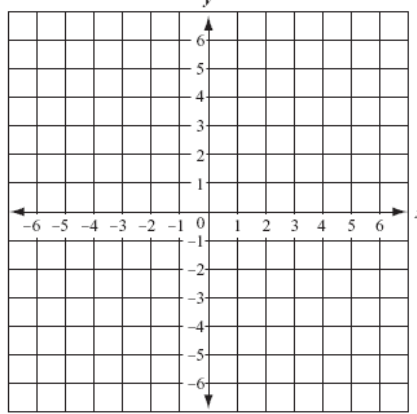
6. A circle has a diameter with endpoints at $(-4,5)$ to $(2,-3)$.

What is the equation of the circle?

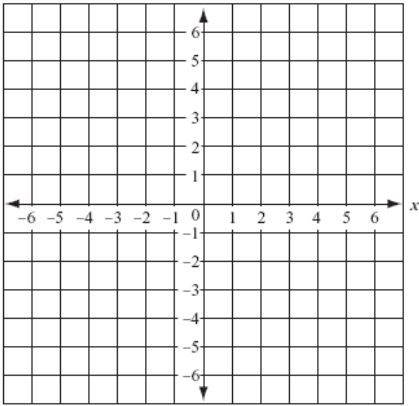


7. A circle has a center $(-1,4)$ and a point on the circle $(2, 0)$.

What is the equation of the circle?



A circle has the equation $x^2 + y^2 - 8x + 2y + 14 = 6$ Identify the center and radius, then graph the circle.



6. A circle has the equation $x^2 + y^2 + 4x - 6y + 9 = 0$ Identify the center and radius, then graph the circle.

