

Graphing Circles – Standard Form

Unit 7: Circles

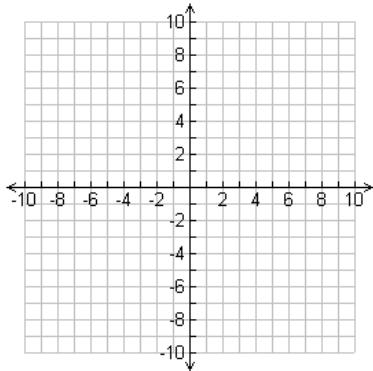
For each of the following:

A. Identify the center of the circle.

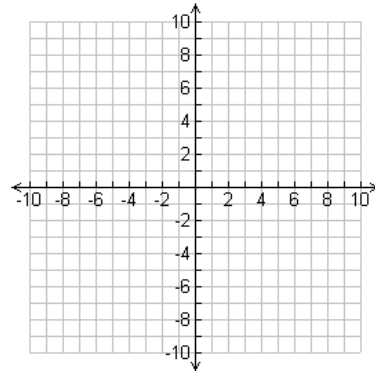
B. Identify the radius of the circle.

C. Graph the circle.

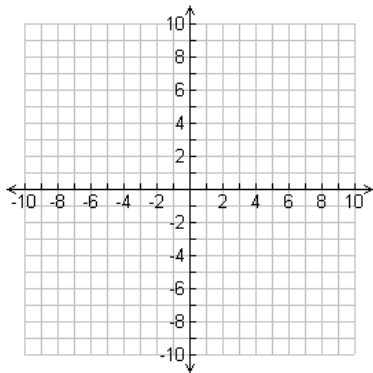
1. $x^2 + y^2 = 4$



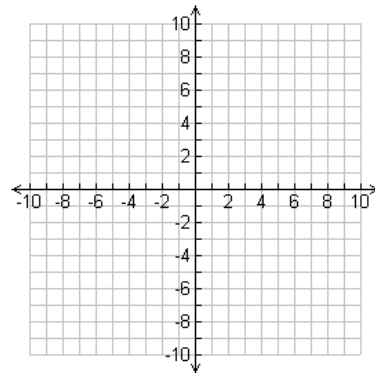
2. $x^2 + y^2 = 9$



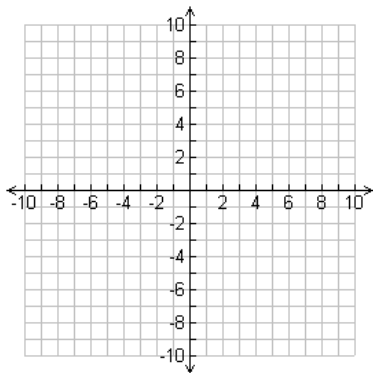
3. $x^2 + y^2 = 49$



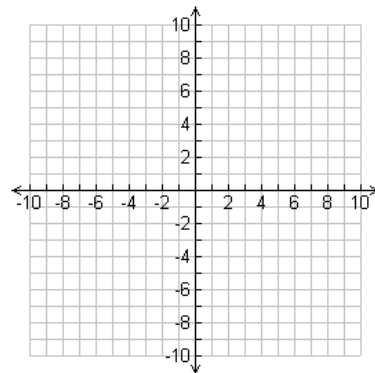
4. $x^2 + y^2 = 64$



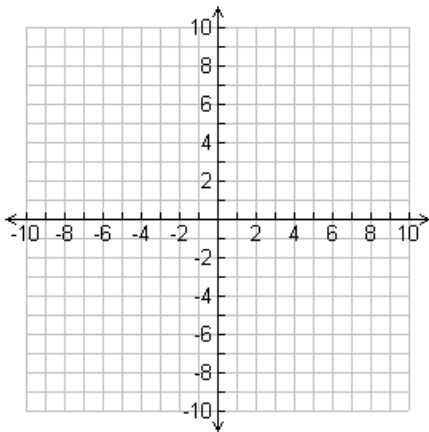
5. $(x + 1)^2 + (y - 4)^2 = 16$



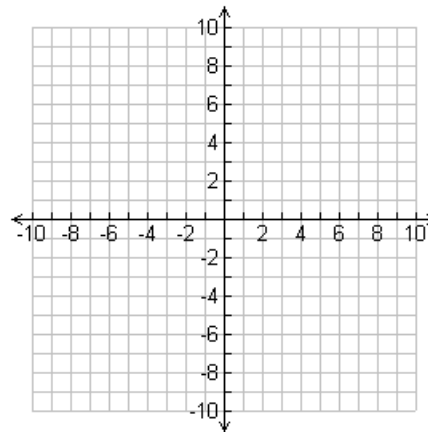
6. $(x + 2)^2 + (y + 3)^2 = 25$



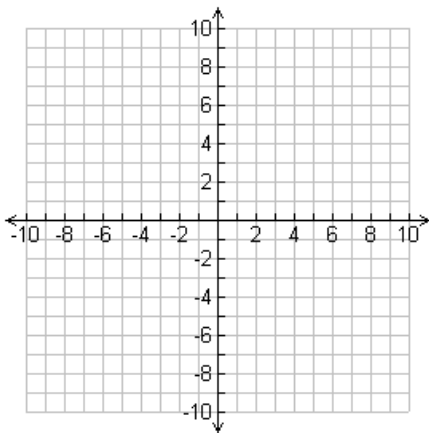
$$7. (x + 3)^2 + (y - 5)^2 = 25$$



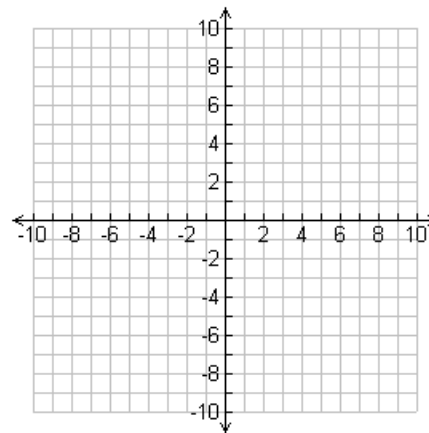
$$8. (x - 2)^2 + (y - 5)^2 = 9$$



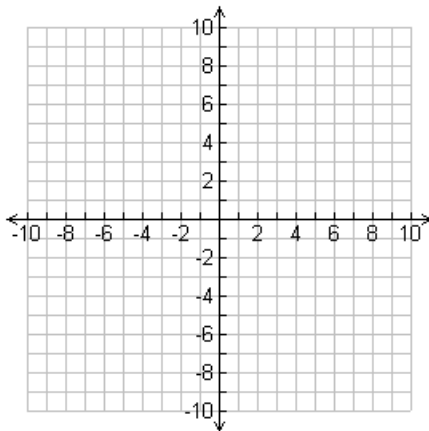
$$9. (x - 5)^2 + y^2 = 16$$



$$10. x^2 + (y - 1)^2 = 81$$



$$11. (x - 2)^2 + (y - 4)^2 = 9$$



$$12. (x + 4)^2 + (y + 9)^2 = 1$$

