

Graphing Circles – General Form: Day 2

Unit 7: Circles

For each of the following:

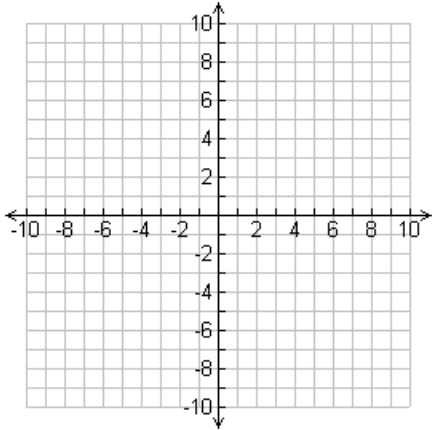
A. Write the equation in standard form.

B. Identify the center of the circle.

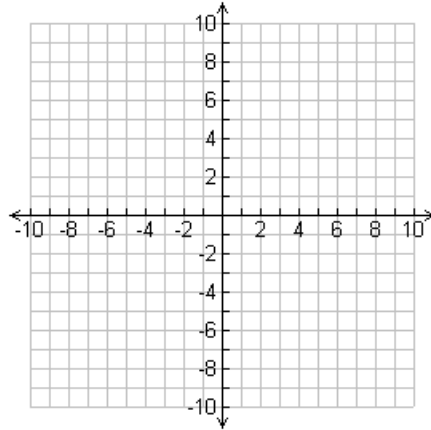
C. Identify the radius of the circle.

D. Graph the circle.

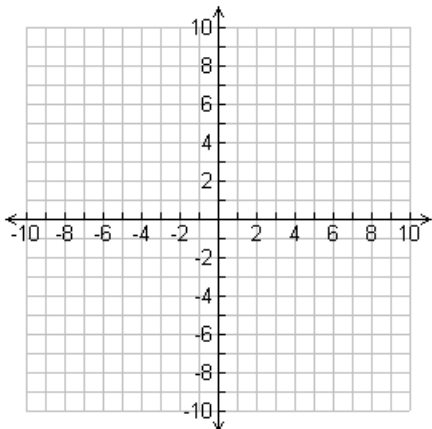
1. $x^2 + 8y = 11 + 6x - y^2$



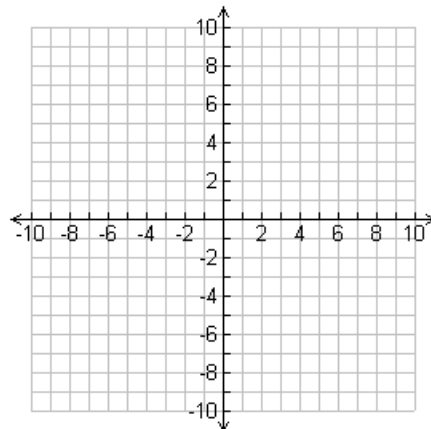
2. $x^2 - 8y + y^2 + 11 = 0$



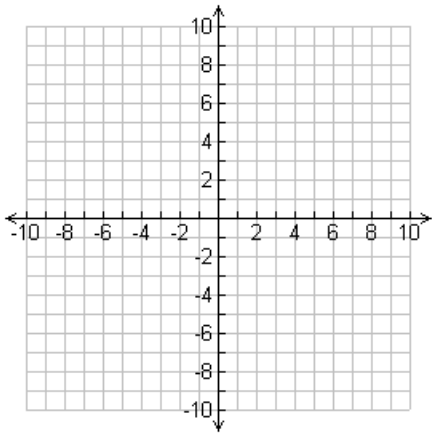
3. $x^2 + 4x + y^2 - 285 = 0$



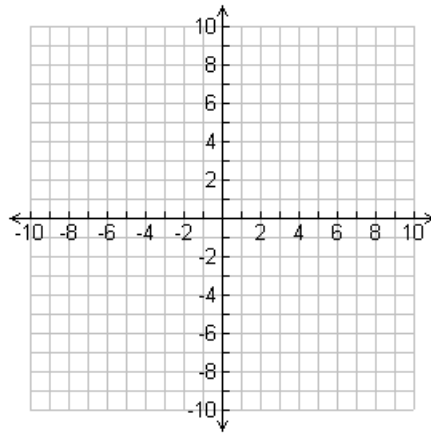
4. $3x^2 + 3y^2 - 12x + 30y + 39 = 0$



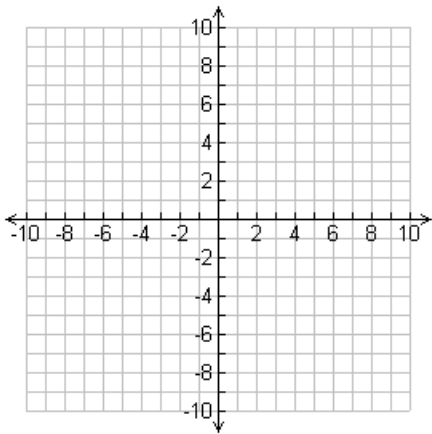
$$5. x^2 + 4x + y^2 - 2y - 11 = 0$$



$$6. x^2 - 2x + y^2 + 6y + 6 = 0$$



$$7. x^2 + y^2 + 4x = 9$$



$$8. x^2 + y^2 - 6y + 8x = 0$$

