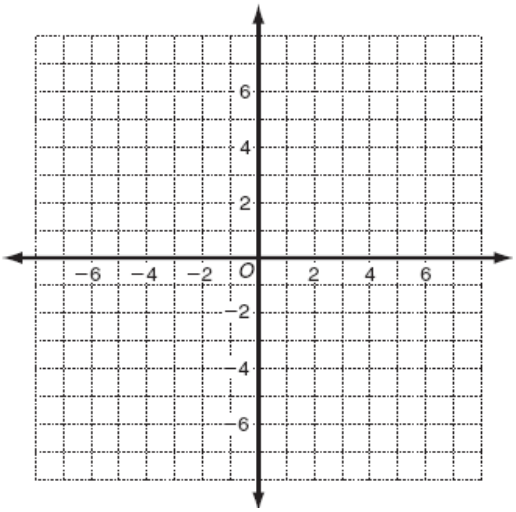
CC Geometry HW#_____ Name_____
Worksheet 12-7 C

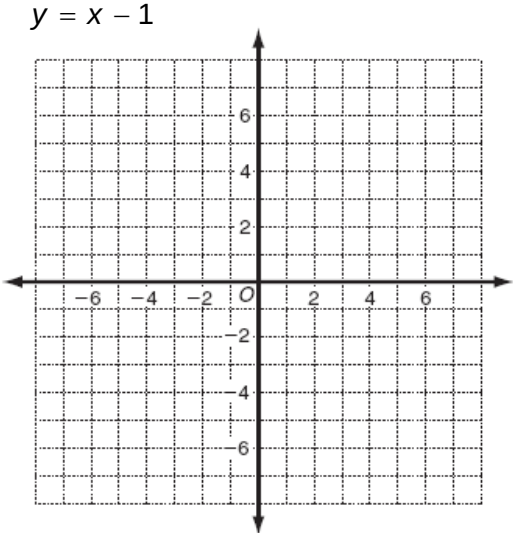
Date_____Per_____Col____

Solve each system by graphing.

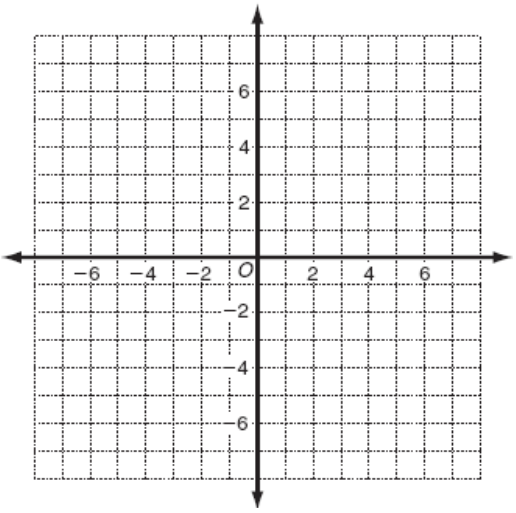
1. $3x + y = 4$
   $y = 3x - 2$



2. $x^2 + y^2 = 25$
   $y = x - 1$



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



Solve by substitution.

4. $(x+1)^2 + y^2 = 25$
   $x = 3$

5. $(x-1)^2 + (y+2)^2 = 20$
   $y = -4$

Solve by substitution.

7. $x^2 + y^2 = 10$
   $y = -3x$

Use completing the square to rewrite the equation in circle form. Identify center and radius.

8. $x^2 - 14x + y^2 + 6y = -8$

9. $x^2 + y^2 + 12x + 11 = 0$

Graph the circle.

10. the circle $(x+3)^2 + (y-4)^2 = 9$
    is translated right 2 and down 3