

**8.2****Challenge Practice**

For use with pages 391–397

**Write the equation in function form. Then graph the equation.**

1.  $\frac{2}{3}x + \frac{1}{2}y = -4$

2.  $0.2y - 4x = -6.8$

3.  $-\frac{3}{8}x - \frac{2}{5}y = \frac{1}{2}$

4.  $1.23 - 3y = 2.1x$

**Find the value of  $a$  that makes the ordered pair a solution of the equation.**

5.  $5x - 2y = 8; (-2, a)$

6.  $6y - 11x = -4; (a - 1, -8)$

7.  $-4x - 3y = 17; (a + 1, 5)$

8.  $2.1x - 3.4y = 3.2; (a + 3, 4)$

9. Graph the equations  $y = x + 2$  and  $x + y = 3$  in the same coordinate plane. What do you notice about the graphs?10. Graph the equations  $y = x + 2$  and  $y + 1 = x$  in the same coordinate plane. What do you notice about the graphs?