



# Practice

## 5.5 The Standard and Point-Slope Forms

Write each equation in standard form.

1.  $2x = -5y + 11$  \_\_\_\_\_

2.  $3y = -x - 20$  \_\_\_\_\_

3.  $4x - 7y + 15 = 0$  \_\_\_\_\_

4.  $9x = 6y$  \_\_\_\_\_

5.  $2x + 10 = 3y - 1$  \_\_\_\_\_

6.  $2x = \frac{1}{2}y + 3$  \_\_\_\_\_

Find the  $x$ - and  $y$ -intercepts for each equation.

7.  $x + y = 5$  \_\_\_\_\_

8.  $3x + 5y = 15$  \_\_\_\_\_

9.  $4x - 3y = 12$  \_\_\_\_\_

10.  $x - 3y = 6$  \_\_\_\_\_

11.  $x - y = -3$  \_\_\_\_\_

12.  $4x = -5y$  \_\_\_\_\_

13.  $2x + y = 1$  \_\_\_\_\_

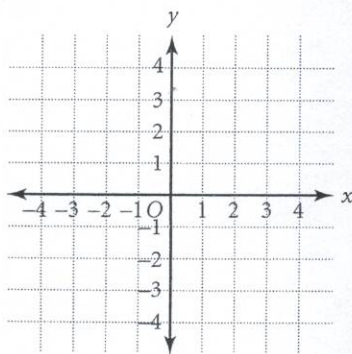
14.  $x = \frac{2}{3}y$  \_\_\_\_\_

15.  $\frac{x}{4} - y = 2$  \_\_\_\_\_

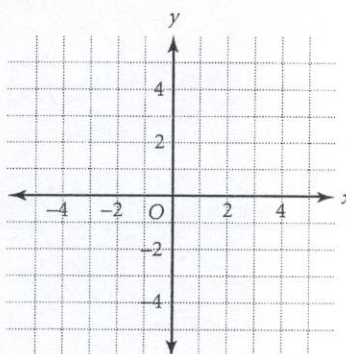
16.  $x = -6y - 2$  \_\_\_\_\_

Use intercepts to graph each equation.

17.  $2x - y = -4$



18.  $x - 2y = 2$



Write an equation in standard form for each line.

19. through  $(4, 5)$  and with a slope of 1 \_\_\_\_\_

20. crosses the  $x$ -axis at  $x = -3$  and the  $y$ -axis at  $y = 6$  \_\_\_\_\_

21. through  $(1, 6)$  and with a slope of 2 \_\_\_\_\_

22. through  $(3, 7)$  and  $(0, -2)$  \_\_\_\_\_

23. through  $(1, 5)$  and  $(-3, 1)$  \_\_\_\_\_