

5-5**Practice**

Form K

Standard Form

Find the x - and y -intercepts of the graph of each equation.

1. $x + y = -3$

2. $2x - 4y = -8$

3. $x + 5y = -10$

4. $-3x + 2y = 12$

Draw a line with the given intercepts.

5. x -intercept: 2

y -intercept: -3

6. x -intercept: -4

y -intercept: -2

Graph each equation using x - and y -intercepts.

7. $3x + y = -2$

8. $-2x + y = 1$

9. $x - y = 4$

10. $-6x + y = -4$

11. $2x - 3y = -6$

12. $6x + 8y = 24$

For each equation, tell whether its graph is a *horizontal* or a *vertical* line.

13. $x = -1$

14. $y = 5$

Graph each equation.

15. $x = -5$

16. $y = 6$

5-5**Practice** (continued)

Form K

- 17. Writing** Explain how $y - 2 = 2(x + 6)$ can be rewritten into standard form. Then show your work in transforming the equation to standard form.

Write each equation in standard form using integers.

18. $y = x + 6$

19. $y + 5 = -(x + 3)$

20. $y - 1 = -\frac{1}{2}(x - 4)$

21. $y = -\frac{2}{3}x + 6$

- 22.** You work two jobs. At the first job, you earn \$10 per hour. At the second job, you earn \$12 per hour. You earned \$440 last week. Write and graph an equation that represents this situation. What are three combinations of hours you could have worked at each job?

For the graph, find the x - and y -intercepts. Then write an equation in standard form using integers.

23.

