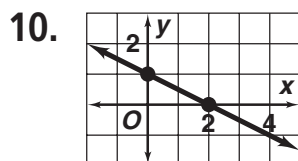
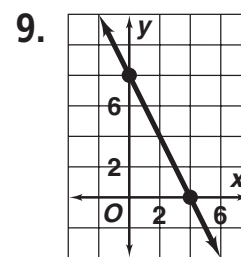
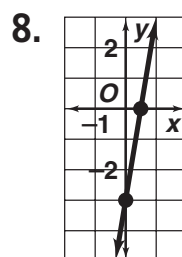
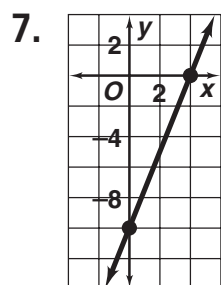
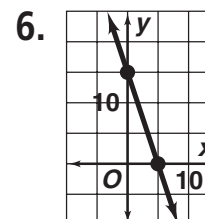
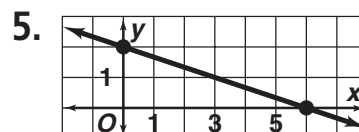
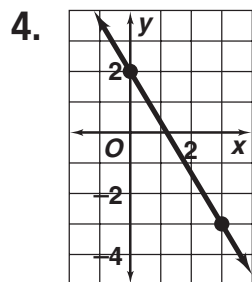
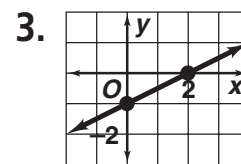
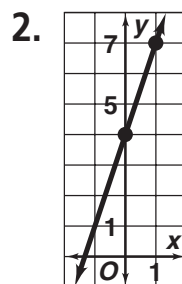
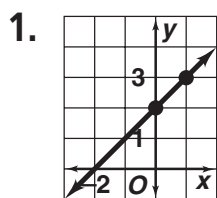
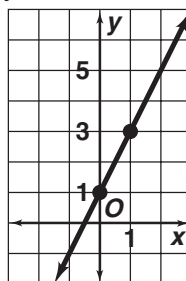


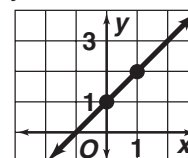
## Answers for Lesson 3-6, pp. 169–170 Exercises



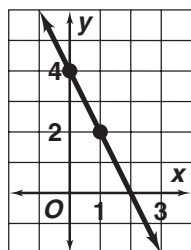
11.  $y = 2x + 1$



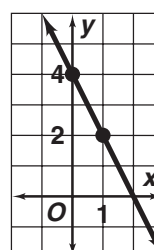
12.  $y = x + 1$



13.  $y = -2x + 4$

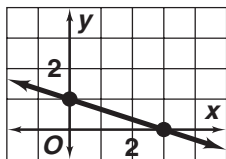


14.  $y = -2x + 4$

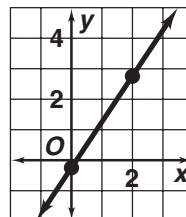


## Answers for Lesson 3-6, pp. 169–170 Exercises (cont.)

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



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



17.  $y - 3 = 2(x - 2)$

18.  $y + 1 = 3(x - 4)$

19.  $y - 5 = -1(x + 3)$

20.  $y + 6 = -4(x + 2)$

21.  $y - 1 = \frac{1}{2}(x - 6)$

22.  $y - 4 = 1(x - 0)$  or  
 $y - 4 = x$

**23–28. Equations may vary from the pt. chosen. Samples are given.**

23.  $y - 5 = \frac{3}{5}(x - 0)$

24.  $y - 2 = -\frac{1}{2}(x - 6)$

25.  $y - 6 = 1(x - 2)$

26.  $y - 4 = 1(x + 4)$

27.  $y - 0 = \frac{1}{2}(x + 1)$

28.  $y - 10 = \frac{2}{3}(x - 8)$

29. a.  $y = 7$

30. a.  $y = -2$

b.  $x = 4$

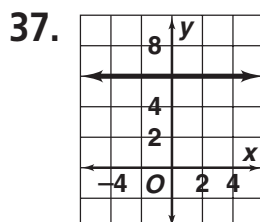
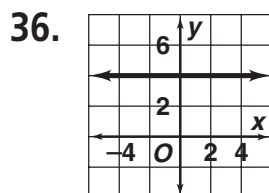
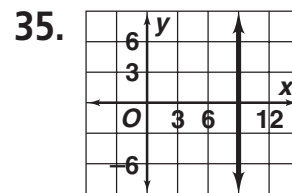
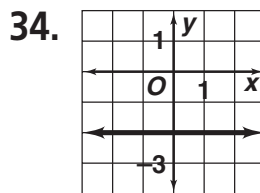
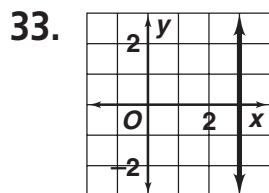
b.  $x = 3$

31. a.  $y = -1$

32. a.  $y = 4$

b.  $x = 0$

b.  $x = 6$

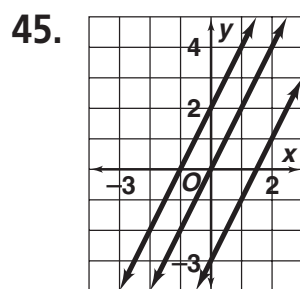


## Answers for Lesson 3-6, pp. 169–170 Exercises (cont.)

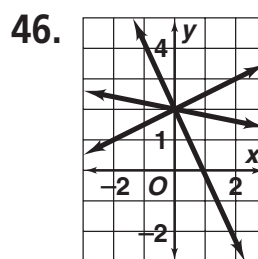
38. a. 0.05  
 b. the cost per min  
 c. 4.95  
 d. the initial charge for a call
39. No; a line with no slope is a vertical line. 0 slope is a horizontal line.
40. a.  $m = 0$ ; it is a horizontal line.  
 b.  $y = 0$
41. a. Undefined; it is a vertical line.  
 b.  $x = 0$

### 42–44. Answers may vary. Samples are given.

42. The eq. is in standard form; change to slope-intercept form, because it is easy to graph the eq. from that form.
43. The eq. is in slope-int. form; use slope-int. form, because the eq. is already in that form.
44. The eq. is in point-slope form; use point-slope form, because the eq. is already in that form.



The slopes are the same, and the  $y$ -intercepts are different.



The slopes are all different, and the  $y$ -intercepts are the same.

47. Check students' work.