Lesson 1.3

p. 21

6. -8

9. $-\frac{2}{9}$

12. 5.5

15. 18

18. $-3\frac{1}{2}$

21. 1

24. -5

27. $-1\frac{1}{3}$

30. $-\frac{1}{2}$

33. 4

36. $\frac{4}{7}$

39. 28

42. Both sides of the equation should be multiplied by 10;

$10\left(\frac{1}{5}x + \frac{1}{2}\right) = 10 \cdot 1;$

$2x + 5 = 10; 2x = 5; x = 2\frac{1}{2}.$

45. 60

48. -3

51. 6; 15, 8, 15, 8

54. 5; 8, 8, 5, 5

57. -2

60. -3

68. 7 T-shirts **69.** 3 h

70. \$500,000 **71.** 9 h

Lesson 1.4

p. 30 **7.** $y = 26 - 3x$; 5

8. $y = -\frac{1}{4}x + 6$; 4

9. $y = -\frac{6}{5}x + \frac{31}{5}$; 11

10. $y = -\frac{15}{4}x + \frac{9}{4}$; $13\frac{1}{2}$

11. $y = \frac{3}{2}x - \frac{21}{2}$; -3

12. $y = \frac{5}{9}x - \frac{14}{3}$; $-1\frac{1}{3}$

13. $y = \frac{7}{4}x - \frac{11}{4}$; 6

14. $y = \frac{4}{9}x - \frac{10}{3}$; $\frac{2}{9}$

21. $y = \frac{40 + 3x}{x}$; 11

22. $y = \frac{7x + 18}{x}$; $2\frac{1}{2}$

23. $y = \frac{16x + 28}{3x}$; $7\frac{2}{3}$

24. $y = \frac{30}{6x + 9}$; $-1\frac{1}{9}$

33. $d = \frac{C}{\pi}$; about 36 in.