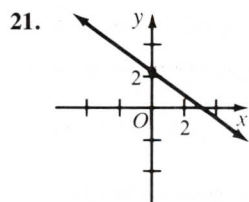
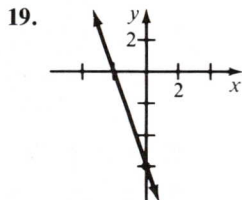
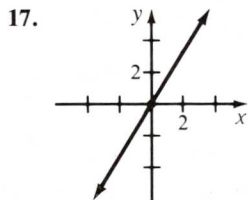
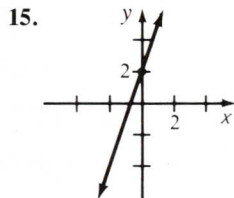
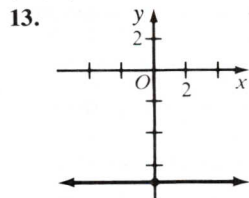
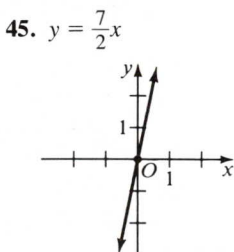
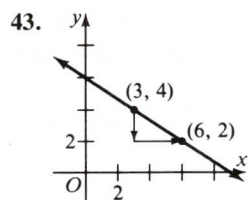
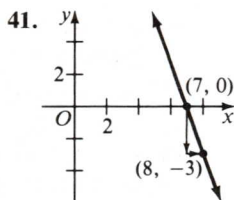
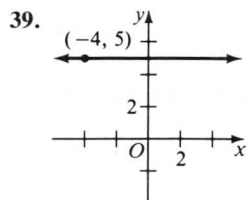


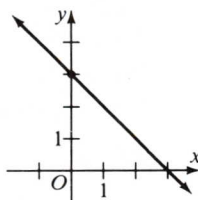
Chapter 8, pages 653–656 1. no; yes 3. no;
no 5. yes; yes 7. (0, 4), (2, 3), (4, 2), (6, 1),
(8, 0) 9. (0, 4), (3, 0) 11. (2, 2), (6, 1),
(10, 0)



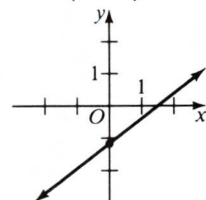
23. $\frac{1}{6}$ 25. 0
27. $\frac{3}{13}$ 29. no slope
31. 0 33. -1
35. yes 37. yes



47. $y = -x + 3$



49. $y = \frac{3}{4}x - \frac{5}{4}$



51. $y = \frac{3}{2}x - 3$, $y = \frac{3}{2}x - 6$; Both slopes are $\frac{3}{2}$, so the lines are parallel. 53. $y = 3x + \frac{1}{2}$

55. $y = \frac{1}{3}x + 6$ 57. $y = -\frac{3}{7}x + \frac{3}{8}$

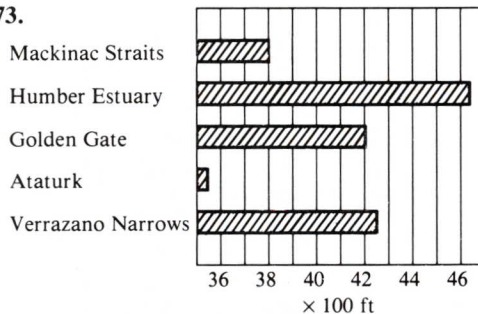
59. $y = 3x + 4$ 61. $y = \frac{3}{4}x - 2$

63. $y = -\frac{1}{5}x - 1$ 65. $y = \frac{3}{4}x - \frac{1}{2}$

67. $y = -\frac{1}{6}x$ 69. $y = -2x + 4$

71. $D = \{\text{Mackinac Straits, Humber Estuary, Golden Gate, Ataturk, Verrazano Narrows}\}$,
 $R = \{3800 \text{ ft}, 4626 \text{ ft}, 4200 \text{ ft}, 3524 \text{ ft}, 4260 \text{ ft}\}$

73.

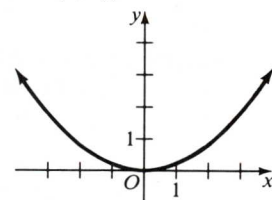
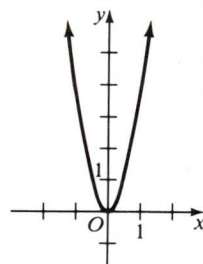


75. -7 77. 5 79. 0 81. $\frac{9}{8}$

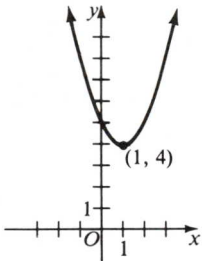
83. $\{2, -3, -10\}$ 85. $\{5, 1, -3\}$ 87. $\{3, -1\}$

89. (0, 0); $x = 0$

91. (0, 0); $x = 0$



93. $(1, 4); x = 1$



95. $\left(-\frac{7}{2}, -\frac{49}{4}\right); -\frac{49}{4}$

97. $(0, 0); 0$

99. $(0, 2); 2$ 101. $\frac{1}{5}$

103. 900 105. 21

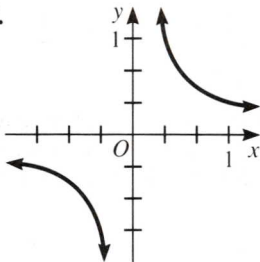
107. $\frac{3}{32}$

109. a. $e = km$ b. $\frac{e_1}{m_1} = \frac{e_2}{m_2}$

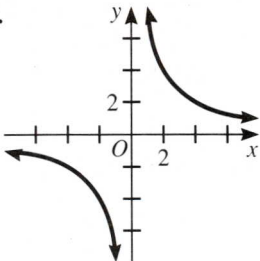
111. a. $rn = k$ b. $\frac{r_1}{n_2} = \frac{r_2}{n_1}$

113. a. $ns = k$ b. $\frac{n_1}{s_2} = \frac{n_2}{s_1}$

115.



117.



119. 1.8