

SECTION 2.1

1. 9 3. -10 5. -2 7. -15 9. 4 11. $-\frac{2}{3}$ 13. $\frac{17}{6}$ 15. $\frac{1}{6}$ 17. $\frac{15}{2}$ 19. $-\frac{32}{25}$ 21. 1
23. $\frac{15}{16}$ 25. -64 27. $\frac{5}{6}$ 29. $\frac{3}{2}$ 31. 8 33. 0 35. 6 37. 6 39. The equation has no solution.

41. -3 43. 1 45. $\frac{4}{3}$ 47. 1 49. $-\frac{4}{3}$ 51. 6 53. $\frac{1}{2}$ 55. -6 57. $\frac{5}{6}$ 59. $-\frac{31}{7}$ 61. $\frac{2}{3}$
63. $\frac{35}{12}$ 65. -22 67. 6 69. 6 71. $\frac{25}{14}$ 73. $\frac{11}{2}$ 75. $-\frac{4}{29}$ 77. -12 79. $\frac{17}{8}$ 81. 0 83. $r = \frac{C}{2\pi}$
85. $h = \frac{2A}{b}$ 87. $M = \frac{IC}{100}$ 89. $r = \frac{A - P}{Pt}$ 91. $c = 2s - a - b$ 93. $h = \frac{S - 2\pi r^2}{2\pi r}$ 95. $R = Pn + C$
97. $H = \frac{S - 2WL}{2W + 2L}$ 99. The solution is not correct. The correct solution is 0. Therefore, in the next-to-last step, each side of the equation is divided by zero, and division by zero is not defined. 101. Answers will vary.