

Chapter 2 Review

Solve. (2.1)

1. $x - 12 = 28$

2. $y + 34 = 7$

3. $5a + 15 = 2a + 18$

4. $27 = 10 + s$

5. $3 - x = 59$

6. $6 = -b + 13$

7. $x - 35 = 180$

8. $y + 23 = 56$

9. $4a + 22 = 6a + 34$

10. $36 = 77 + s$

11. $2 - x = 42$

12. $88 = -b + 74$

13. $x - 25 = 52$

14. $y + 75 = 9$

15. $3a + 65 = 8a + 55$

16. $70 = 214 + s$

17. $-3 - 4x = 37$

18. $99 = -b + 57$

19. $5x - 20 = 65$

20. $y + 13 = 32$

21. $3b + 55 = b + 44$

22. $-90 = 22 + t$

23. $-32 - 7y = 17$

24. $8 = -b + 12$

25. $8y - 32 = 64$

26. $3u + 27 = 42$

27. $2c + 6 = c + 18$

Solve. (2.2)

28. $-5 = \frac{x}{8}$

29. $\frac{a}{15} = 16$

30. $\frac{b}{-45} = -7$

31. $11x = 121$

32. $8.5y = 340$

33. $-5a = 405$

34. $160 = -20b$

35. $-12x = -132$

36. $\frac{x}{4} = 16$

37. $\frac{x}{12} = 5$

38. $-8 = \frac{x}{-4}$

39. $\frac{p}{-15} = 4$

40. $\frac{c}{-6} = -5$

41. $13x = 65$

42. $-2.5y = -25$

43. $-18a = 324$

44. $84 = -7b$

45. $-3x = -423$

Solve. (2.3)

46. $9 + u = -27 - u$

47. $\frac{x}{8} - 3.5 = 4.5$

48. $9x - 13.5 = 22.5$

49. $8 + 3y = 6.5$

50. $-y + 20.5 = +19$

51. $34 = 6c - 9.5$

52. $8.5 - 4.5x = -35$

53. $4x - 41 = 5.5x + 42$

54. $11 + 3.5p = -8 + p$

55. $\frac{x}{6} + 7 = 12$

56. $5x - 8 = 16$

57. $28 + 3.5y = 14$

58. $-16.5y + 4 = -27$

59. $30 = 10c - 12.5$

60. $-17 - 5x = -2.5$

61. $-x - 1.5 = 3x + 6$

62. $4 + 6v = -9 + 1.5v$

63. $\frac{x}{4} - 4.5 = 2$

64. $13.5x - 9 = 18$

65. $3 + 2.6y = -23$

66. $-3y - 7 = 13$

67. $26 = 2.5c - 6.5$

68. $-7 - 7.5x = -22$

69. $2x - 3 = x + 3$

Solve. (2.4)

70. $b = SG$. Find b if $S = 0.017$ and $G = 49$.

71. $Z = \sqrt{y + xw}$. Find Z if $y = 10$, $x = 5$, and $w = 3$.

72. $g = \frac{t}{d}$. Find t if $g = 1.5$ and $d = 12$.

73. $r = BF$. Find value of F when r is 7 and B is 6.

74. $R = 6.81gt$. Find g when R is 33 and t is 2.

75. $S = \frac{e}{w}$. Find the value of w if $S = 0.5$ and $e = 6$.

76. $q = rt$. Find r if $q = 40$ and $t = 8$.

77. $y = \sqrt{s - gh}$. Find y if $s = 7$, $g = 6$, and $h = 0.5$.

78. $j = \frac{a}{c}$. Find j if $a = 56$ and $c = 64$.

79. $d = a + b$. Find d when a is 6.8, and b is -3 .

80. $t = 4.1 + uv$. Find t when u is 38 and v is 0.2.

81. $h = \frac{k}{n}$. Find the value of k if $h = 45.5$ and $n = 6$.