

# Answer Key

- |                  |  |
|------------------|--|
| 1. -5            | 43. 216000   |
| 2. 0             | 44. 125000   |
| 3. 28            | 45. $\frac{1}{36} = 1/36$  |
| 4. 34            | 46. $\frac{1}{64} = 1/64$  |
| 5. -4            | 47. $\frac{27}{64} = 27/64$  |
| 6. 28            | 48. $\frac{1}{15} = 1/15$  |
| 7. -1            | 49. 10   |
| 8. 1             | 50. $\frac{1}{2} = 1/2$  |
| 9. -7            | 51. 1/625  |
| 10. 19           | 52. 256/625  |
| 11. 8            | 53. 16   |
| 12. -1           | 54. 625  |
| 13. -1           | 55. 160000   |
| 14. -5           | 56. 100/81   |
| 15. 5            | 57. 625/16   |
| 16. 7            | 58. 0.0001   |
| 17. -5           | 59. 1/256  |
| 18. -1           | 60. 16   |
| 19. -3           | 61. 1 2/3  |
| 20. -6           | 62. 7/10   |
| 21. $x = 6$      | 63. 13/15  |
| 22. 2            | 64. 4  |
| 23. $x = 4$      | 65. 7/12   |
| 24. $x = 3$      | 66. 105  |
| 25. $x = 2$      | 67. 24   |
| 26. $x = 1$      | 68. 60   |
| 27. $n = -12$    | 69. 75   |
| 28. -13          | 70. 9/14   |
| 29. 4            | 71. $\frac{63^7}{40^2} \times \frac{5}{27^3} = \frac{7}{6} = 1\frac{1}{6} = 1 1/6$ |
| 30. $x = 1$      | 72. 2  |
| 31. $2\sqrt{21}$ | 73. 2/7  |
| 32. $2\sqrt{30}$ | 74. 1/4  |
| 33. $5\sqrt{6}$  | 75. $a = 3$ & $b = 5$  |
| 34. $11\sqrt{3}$ | 76. $c=7$ & $d = 17$   |
| 35. $30\sqrt{6}$ | 77. $e = 1$ & $f = 2$  |
| 36. 12           | 78. 1/6  |
| 37. 18           | 79. 6/25   |
| 38. 88           | 80. 10/3   |
| 39. 512          | 81. $x = -5$   |
| 40. 567          | 82. 4  |
| 41. 0.01         |  |
| 42. 2.56         |  |

## MAP 260 (T2) Issue 6

83.  $x = 4$

84.  $x = 2\frac{2}{3}$

85.  $x = 2$

86.  $x = 1$

87.  $n = \frac{5}{3} = 5/3$

88.  $-12$

89.  $n = -5$

90.  $x = 2$