



# Practice

## 7.1 Solving Two-Step Equations

Solve each equation.

- |  |       |   |       |
|--|-------|---|-------|
| 1. $3x + 7 = 46$                                       | _____ | 2. $8y - 5 = 43$                                  | _____ |
| 3. $-4z + 7 = -15$                                     | _____ | 4. $-4y + 28 = 72$                                | _____ |
| 5. $9x + 42 = 69$                                      | _____ | 6. $-7 - 15w = 23$                                | _____ |
| 7. $-6x - 12 = 42$                                     | _____ | 8. $9x - 36 = 0$                                  | _____ |
| 9. $4x - 7 = 5$  | _____ | 10. $5 - 3z = 32$                                 | _____ |
| 11. $-4y + 2 = 29$                                     | _____ | 12. $9 = 3 + 5y$                                  | _____ |
| 13. $-16 = 3x - 1$                                     | _____ | 14. $34 = 8 + 2z$                                 | _____ |
| 15. $2(x - 4) = 8$                                     | _____ | 16. $6(4 - 3x) = -48$                             | _____ |
| 17. $3 = -3(y + 5)$                                    | _____ | 18. $2(3z - 10) = 40$                             | _____ |
| 19. $-24 = 3(-2y - 7)$                                 | _____ | 20. $5z - 4 - 3z = 14$                            | _____ |
| 21. $8 - 3x + 5 + 5x = 7$                              | _____ | 22. $6z + 8 + 2z = 10$                            | _____ |
| 23. $4 = -7y + 13 + 9y + 1$                            | _____ | 24. $0 = 1 - 8z + 6 - 6z$                         | _____ |
| 25. $2x + 3 = -\frac{1}{2}$                            | _____ | 26. $\frac{3}{4}y - 3 = 9$                        | _____ |
| 27. $4y + \frac{2}{3} = 1$                             | _____ | 28. $2z - \frac{7}{10} = \frac{1}{2}$             | _____ |
| 29. $4 + \frac{1}{4} + 6x = -\frac{11}{20}$            | _____ | 30. $3\left(x - \frac{1}{4}\right) = \frac{3}{4}$ | _____ |
| 31. $\frac{3}{4}x + 1 = 10$                            | _____ | 32. $1 + \frac{2}{3}y = 27$                       | _____ |
| 33. $\frac{3}{8} - \frac{1}{4}x = \frac{1}{16}$        | _____ | 34. $\frac{1}{2}z - \frac{1}{2} = 5$              | _____ |
| 35. $9z + 2 = \frac{1}{2}$                             | _____ | 36. $\frac{5}{2} = \frac{1}{4}y + 3$              | _____ |
| 37. $\frac{2}{3} + 2 + \frac{3}{5} + x = \frac{4}{15}$ | _____ | 38. $7x - 12 = -\frac{4}{5}$                      | _____ |