

## Math 8

## 11.3 Solving Eq. with 2 Var.

Name \_\_\_\_\_

Date \_\_\_\_\_

Solve.

1.  $28 - 3c = 25$

2.  $-47 = -3x - 8$

3.  $9h - 25 = -25$

4.  $156 = 8u - 132$

5.  $-44 = 26d - 200$

6.  $15 = 14 - \frac{a}{7}$

7.  $\frac{1}{10}d + 20 = 16$

8.  $\frac{2y}{5} + 5 = -9$

9.  $-\frac{8}{3}c - 2 = 6$

10.  $20 = \frac{4n}{7} + 8$

11.  $-85 = 11c - (-6c)$

12.  $\frac{4}{5}d - \frac{2}{5}d = \frac{1}{10}$

13.  $50 = 16w + 14w$

14.  $14y - 5y = 9$

15.  $78 = 7a - 10a$

16.  $-64 = x + (-9x)$

17.  $0 = 12r + (-16r)$

18.  $-99 = -8c + 17c$

19.  $12y - 12y = -5$

20.  $\frac{3}{7}a + \frac{6}{7}a = 18$

21.  $4y - 10 = 3y$

22.  $2c = 4c - 6$

23.  $5 - 3w = 2w$

24.  $6d = 4d - 8$

25.  $9k - 12 = -5k$

26.  $3 + 5y = 9y$

27.  $7r - 5 = 2r + 5$

28.  $3m - 2 = 2m + 4$

29.  $4p + 7 = 5p + 4$

30.  $4y + 3 = 2y - 7$

31.  $6 - 2g = 3g + 6$

32.  $6u + 7 - 3u = 8 + 5u - 11$

33.  $7 - 3t + 4 = 5t - 1 + 4t$

34.  $5w + 2 - 8w = 5 - 3w + 1$

35.  $20 - 4u + 3 = 5u - 8 + 2u$

36.  $2(4 - c) = 3(2 - c)$

37.  $2(3u + 10) = 5(4 - 2u)$

38.  $7(3k - 8) = -4(6k + 3)$

39.  $6(4 - 3s) = -2(5 + 9s)$

40.  $3(x + 6) + 2x - 6 = 8x - 2(2x - 4)$

**Answer List**

- |                   |                     |                   |
|-------------------|---------------------|-------------------|
| 1. 1              | 2. 13               | 3. 0              |
| 4. 36             | 5. 6                | 6. -7             |
| 7. -40            | 8. -35              | 9. -3             |
| 10. 21            | 11. -5              | 12. $\frac{1}{4}$ |
| 13. $\frac{5}{3}$ | 14. 1               | 15. -26           |
| 16. 8             | 17. 0               | 18. -11           |
| 19. $\emptyset$   | 20. 14              | 21. 10            |
| 22. 3             | 23. 1               | 24. -4            |
| 25. $\frac{6}{7}$ | 26. $\frac{3}{4}$   | 27. 2             |
| 28. 6             | 29. 3               | 30. -5            |
| 31. 0             | 32. 5               | 33. 1             |
| 34. $\emptyset$   | 35. $\frac{31}{11}$ | 36. -2            |
| 37. 0             | 38. $\frac{44}{45}$ | 39. $\emptyset$   |
| 40. -4            |                     |                   |

**Catalog List**

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|----------------|---------------|----------------|
| 1. ALG GC 40   | 2. ALG GC 36  | 3. ALG GC 58   |
| 4. ALG GC 80   | 5. ALG GC 87  | 6. ALG GC 99   |
| 7. ALG GC 100  | 8. ALG GC 101 | 9. ALG GC 102  |
| 10. ALG GC 103 | 11. ALG GE 2  | 12. ALG GE 52  |
| 13. ALG GE 6   | 14. ALG GE 12 | 15. ALG GE 14  |
| 16. ALG GE 16  | 17. ALG GE 27 | 18. ALG GE 24  |
| 19. ALG GE 34  | 20. ALG GE 45 | 21. ALG GF 1   |
| 22. ALG GF 4   | 23. ALG GF 5  | 24. ALG GF 7   |
| 25. ALG GF 12  | 26. ALG GF 15 | 27. ALG GF 17  |
| 28. ALG GF 18  | 29. ALG GF 24 | 30. ALG GF 26  |
| 31. ALG GF 35  | 32. ALG GF 65 | 33. ALG GF 72  |
| 34. ALG GF 81  | 35. ALG GF 88 | 36. ALG GF 91  |
| 37. ALG GF 94  | 38. ALG GF 99 | 39. ALG GF 101 |
| 40. ALG GF 115 |               |                |