

Name: _____

Date: _____

Variables on both sides (Set B)

Move the variable terms to one side first.

1. $3n + 1 = n + 3$ _____

11. $8x + 10 = 3x + 35$ _____

2. $6n + 4 = 2n + 16$ _____

12. $5x + 3 = 3x + 13$ _____

3. $3x - 11 = x - 25$ _____

13. $7n - 8 = n - 56$ _____

4. $7a + 6 = 4a - 15$ _____

14. $8n - 12 = 7n - 15$ _____

5. $8n - 9 = 6n - 27$ _____

15. $4y + 10 = y + 19$ _____

6. $9n + 6 = 5n + 18$ _____

16. $6x + 4 = x + 49$ _____

7. $3a + 3 = a + 13$ _____

17. $6n - 6 = 2n - 2$ _____

8. $3x - 12 = x - 16$ _____

18. $4a - 4 = 3a - 5$ _____

9. $9a + 5 = 8a + 3$ _____

19. $4y + 5 = 2y - 9$ _____

10. $6a - 7 = 3a - 25$ _____

20. $4y + 10 = 3y + 8$ _____

Multi-Step Equations: Answer Key

1. $n = 1$

2. $n = 3$

3. $x = -7$

4. $a = -7$

5. $n = -9$

6. $n = 3$

7. $a = 5$

8. $x = -2$

9. $a = -2$

10. $a = -6$

11. $x = 5$

12. $x = 5$

13. $n = -8$

14. $n = -3$

15. $y = 3$

16. $x = 9$

17. $n = 1$

18. $a = -1$

19. $y = -7$

20. $y = -2$