



Name: _____

Date: _____

Algebra 1 – Unit 2 – Solving Equations with Variables on Both Sides (Hard)

1. $8x - 18 = 2x - 6$

6. $4(x + 3) = x + 30$

2. $4(x + 8) = x + 59$

7. $5x = 2x + 15$

3. $5x = 3x + 18$

8. $5x - 50 = 2x - 5$

4. $8x = 6x + 20$

9. $7x = 2x + 45$

5. $2(x + 4) = x + 17$

10. $7x = 5x + 8$



- Unit 2 - Solving Equations with Variables on Both Sides (Hard) - Answer Key

1. $8x - 18 = 2x - 6$

$x = 2$

6. $4(x + 3) = x + 30$

$x = 6$

2. $4(x + 8) = x + 59$

$x = 9$

7. $5x = 2x + 15$

$x = 5$

3. $5x = 3x + 18$

$x = 9$

8. $5x - 50 = 2x - 5$

$x = 15$

4. $8x = 6x + 20$

$x = 10$

9. $7x = 2x + 45$

$x = 9$

5. $2(x + 4) = x + 17$

$x = 9$

10. $7x = 5x + 8$

$x = 4$