



Name: _____

Date: _____

Algebra 1 – Unit 2 – Linear Equations (Challenge)

1. $3x - 6 = 4x + 1$

6. $7x - 2 = 2x - 7$

2. $2x - 11 = 8x + 25$

7. $6x + 15 = 1x + 10$

3. $9x + 11 = 8x - 7$

8. $7x - 5 = 3x + 27$

4. $2x - 14 = 9x - 147$

9. $10x + 6 = 1x + 87$

5. $7x - 7 = 2x + 43$

10. $5x + 11 = 3x + 43$



Algebra 1 – Unit 2 – Linear Equations (Challenge) – Answer Key

1. $3x - 6 = 4x + 1$

$x = -7$

6. $7x - 2 = 2x - 7$

$x = -1$

2. $2x - 11 = 8x + 25$

$x = -6$

7. $6x + 15 = 1x + 10$

$x = -1$

3. $9x + 11 = 8x - 7$

$x = -18$

8. $7x - 5 = 3x + 27$

$x = 8$

4. $2x - 14 = 9x - 147$

$x = 19$

9. $10x + 6 = 1x + 87$

$x = 9$

5. $7x - 7 = 2x + 43$

$x = 10$

10. $5x + 11 = 3x + 43$

$x = 16$