Algebra 1 - Unit 2 - Linear Equations (Challenge)

1. $8x + 12 = 6x + 44$

2. $4x - 4 = 7x - 49$

3. $6x + 0 = 8x + 10$

4. $3x - 1 = 2x - 14$

5. $7x - 1 = 6x - 14$

6. $3x - 7 = 4x + 1$

7. $4x - 3 = 1x + 6$

8. $8x + 5 = 6x + 5$

Algebra 1 - Unit 2 - Linear Equations (Challenge)

9. $10x + 13 = 6x + 53$

10. $2x - 7 = 1x + 15$

11. $2x + 5 = 4x + 17$

12. $4x + 2 = 9x + 7$

13. $4x - 2 = 6x - 4$

14. $5x - 1 = 3x - 11$

15. $7x + 8 = 10x + 2$

16. $10x + 4 = 4x - 8$

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

1. $8x + 12 = 6x + 44$

   $x = 16$

2. $4x - 4 = 7x - 49$

   $x = 15$

3. $6x + 0 = 8x + 10$

   $x = -5$

4. $3x - 1 = 2x - 14$

   $x = -13$

5. $7x - 1 = 6x - 14$

   $x = -13$

6. $3x - 7 = 4x + 1$

   $x = -8$

7. $4x - 3 = 1x + 6$

   $x = 3$

8. $8x + 5 = 6x + 5$

   $2x = 0$

9. $10x + 13 = 6x + 53$

    x = 10

10. $2x - 7 = 1x + 15$

    x = 22

11. $2x + 5 = 4x + 17$

    x = -6

12. $4x + 2 = 9x + 7$

    x = -1

13. $4x - 2 = 6x - 4$

    x = 1

14. $5x - 1 = 3x - 11$

    x = -5

15. $7x + 8 = 10x + 2$

    x = 2

16. $10x + 4 = 4x - 8$

    x = -2