Algebra 1 - Unit 5 - Systems of Equations (Hard)

1. $4x + 2y = 0$
   $8x - 6y = -20$

2. $3x + 5y = 28$
   $8x + 6y = 60$

3. $5x + 6y = 14$
   $7x - 9y = 124$

4. $8x + 4y = 8$
   $9x + 5y = 14$

5. $6x + 7y = 78$
   $2x - 9y = -42$

6. $6x + 8y = 50$
   $5x - 8y = -105$

7. $7x + 5y = 94$
   $5x - 3y = 8$

8. $7x + 6y = 43$
   $6x + 2y = 40$

Algebra 1 - Unit 5 - Systems of Equations (Hard)

9. $6x + 6y = 0$
   $8x - 6y = 14$

10. $4x + 5y = 55$
    $9x - 6y = 72$

11. $6x + 2y = -34$
    $7x - 7y = 7$

12. $3x + 2y = 0$
    $9x + 2y = -24$

13. $7x + 2y = 16$
    $3x - 6y = 0$

14. $5x + 8y = 3$
    $2x - 3y = 26$

15. $8x + 3y = 35$
    $9x - 8y = 28$

16. $3x + 3y = 42$
    $9x - 4y = 61$

Algebra 1 - Unit 5 - Systems of Equations (Hard) - Answer Key

1. $4x + 2y = 0$
   $8x - 6y = -20$

   (-1, 2)

2. $3x + 5y = 28$
   $8x + 6y = 60$

   (6, 2)

3. $5x + 6y = 14$
   $7x - 9y = 124$

   (10, -6)

4. $8x + 4y = 8$
   $9x + 5y = 14$

   (-4, 10)

5. $6x + 7y = 78$
   $2x - 9y = -42$

   (6, 6)

6. $6x + 8y = 50$
   $5x - 8y = -105$

   (-5, 10)

7. $7x + 5y = 94$
   $5x - 3y = 8$

   (7, 9)

8. $7x + 6y = 43$
   $6x + 2y = 40$

   (7, -1)

9. $6x + 6y = 0$

    $8x - 6y = 14$

    (1, -1)

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    $9x - 6y = 72$

    (10, 3)

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    (-4, -5)

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    (-4, 6)

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    $3x - 6y = 0$

    (2, 1)

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    $2x - 3y = 26$

    (7, -4)

15. $8x + 3y = 35$

    $9x - 8y = 28$

    (4, 1)

16. $3x + 3y = 42$

    $9x - 4y = 61$

    (9, 5)