

General Algebra 2 CWS #3 Unit 3 page 1 _____

Solve each of the following systems of equations using the **multiplication-addition method**. Show your work neatly organized.

1. $5x + 3y = 29$ $x = \underline{\hspace{2cm}}$
 $x - 3y = -5$ $y = \underline{\hspace{2cm}}$

2. $4x + 5y = 10$ $x = \underline{\hspace{2cm}}$
 $2x - y = 12$ $y = \underline{\hspace{2cm}}$

3. $6x + 5y = 13$ $x = \underline{\hspace{2cm}}$
 $3x - 2y = -16$ $y = \underline{\hspace{2cm}}$

4. $4x + y = 3$ $x = \underline{\hspace{2cm}}$
 $3x - 2y = 16$ $y = \underline{\hspace{2cm}}$

5. $3x + 5y = 12$ $x = \underline{\hspace{2cm}}$
 $2x + 3y = 7$ $y = \underline{\hspace{2cm}}$

6. $x + 4y = -5$ $x = \underline{\hspace{2cm}}$
 $3x + 2y = 15$ $y = \underline{\hspace{2cm}}$

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Solve each of the following systems of equations using the **multiplication-addition method**. Show your work neatly organized.

7. $2x - y = 12$ $x = \underline{\hspace{2cm}}$
 $3x - 4y = 23$ $y = \underline{\hspace{2cm}}$

8. $4x - 5y = 17$ $x = \underline{\hspace{2cm}}$
 $x - 2y = 8$ $y = \underline{\hspace{2cm}}$

9. $3x + 7y = 6$ $x = \underline{\hspace{2cm}}$
 $x - 3y = -2$ $y = \underline{\hspace{2cm}}$

10. $4x + y = 1$ $x = \underline{\hspace{2cm}}$
 $3x + 2y = 0$ $y = \underline{\hspace{2cm}}$

11. $x - 4y = 3$ $x = \underline{\hspace{2cm}}$
 $3x + y = 2$ $y = \underline{\hspace{2cm}}$

12. $2x + 3y = 4$ $x = \underline{\hspace{2cm}}$
 $3x - 2y = 5$ $y = \underline{\hspace{2cm}}$