Algebra I Class Worksheet #3 Unit 9 page 1 _____

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

1. $5x + 3y = 29$ $x =$ _____
$x - 3y = -5$ $y =$ _____

2. $4x + 5y = 10$ $x =$ _____
$2x - y = 12$ $y =$ _____

3. $6x + 5y = 13$ $x =$ _____
$3x - 2y = -16$ $y =$ _____

4. $4x + y = 3$ $x =$ _____
$3x - 2y = 16$ $y =$ _____

5. $3x + 5y = 12$ $x =$ _____
$2x + 3y = 7$ $y =$ _____

6. $x + 4y = -5$ $x =$ _____
$3x + 2y = 15$ $y =$ _____

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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 = _____
$3x - 4y = 23$ y = _____

8. $4x - 5y = 17$ x = _____
$x - 2y = 8$ y = _____

9. $3x + 7y = 6$ x = _____
$x - 3y = -2$ y = _____

10. $4x + y = 1$ x = _____
$3x + 2y = 0$ y = _____

11. $x - 4y = 3$ x = _____
$3x + y = 2$ y = _____

12. $2x + 3y = 4$ x = _____
$3x - 2y = 5$ y = _____