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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 = _____

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

7. $2x - y = 12$ $x =$ _____   8. $4x - 5y = 17$ $x =$ _____

    $3x - 4y = 23$ $y =$ _____ $x - 2y = 8$ $y =$ _____

9. $3x + 7y = 6$ $x =$ _____   10. $4x + y = 1$ $x =$ _____

    $x - 3y = -2$ $y =$ _____ $3x + 2y = 0$ $y =$ _____

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

     $3x + y = 2$ $y =$ _____ $3x - 2y = 5$ $y =$ _____