Algebra 1 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.
$$2x + 3y = 9$$

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 $x = ______$
 $2x - y = 5$ $y = ______$

$$x - 4y = 1$$

$$2x - y = 5$$

$$2x - y = 5$$

4.
$$3x + 5y = 9$$

3.
$$2x - 3y = -13$$
 $x =$ 4. $3x + 5y = 9$ $x =$ $y =$ $x + y = 1$ $y =$

5.
$$7x + 3y = 27x =$$
 6. $4x - 5y = 22$ $x =$ 6. $5x - 6y = 3$ $y =$ 6. $6x - 3y = 24$ $y =$ 7. $6x - 3y = 24$ $y =$ 9. $6x - 3y = 24$ $y =$ 10. $6x - 3y = 24$

6.
$$4x - 5y = 22$$

$$5x - 6y = 3$$

$$6x - 3y = 24$$