

Alg1+ Elimination by Multiplication Homework

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Name _____

Solve each system by elimination.

1)
$$\begin{aligned} 12x + 2y &= 0 \\ -6x + 3y &= 0 \end{aligned}$$

2)
$$\begin{aligned} 6x - y &= -15 \\ 2x + 4y &= -18 \end{aligned}$$

3)
$$\begin{aligned} 2x + 9y &= 4 \\ -6x + 3y &= -12 \end{aligned}$$

4)
$$\begin{aligned} -5x + 4y &= -18 \\ 10x + 3y &= 14 \end{aligned}$$

5)
$$\begin{aligned} 5x - 6y &= -6 \\ -4x - 12y &= -12 \end{aligned}$$

6)
$$\begin{aligned} 9x + 3y &= -9 \\ 3x - 5y &= -3 \end{aligned}$$

$$7) \begin{aligned} 8x - 2y &= -14 \\ 4x + 5y &= -13 \end{aligned}$$

$$8) \begin{aligned} 2x - 2y &= 4 \\ -4x - 4y &= 0 \end{aligned}$$

$$9) \begin{aligned} 5x - 2y &= -10 \\ -x + y &= 5 \end{aligned}$$

$$10) \begin{aligned} -3x - 6y &= -6 \\ -6x - 4y &= -4 \end{aligned}$$

$$11) \begin{aligned} 6x - 2y &= -4 \\ 3x - 4y &= 10 \end{aligned}$$

$$12) \begin{aligned} -6x - 5y &= -12 \\ -3x - 4y &= -15 \end{aligned}$$