

Elimination ZIG ZAG

Date _____ Period _____

Solve each system by elimination.

1)
$$\begin{aligned} -6x + 8y &= -16 \\ -2x - 8y &= -16 \end{aligned}$$

2)
$$\begin{aligned} 7x - y &= -20 \\ -2x + y &= 10 \end{aligned}$$

3)
$$\begin{aligned} 10x + y &= 30 \\ -2x - y &= -14 \end{aligned}$$

4)
$$\begin{aligned} x + y &= 1 \\ -x + y &= -1 \end{aligned}$$

5)
$$\begin{aligned} 7x + 7y &= 0 \\ 2x - 7y &= 9 \end{aligned}$$

6)
$$\begin{aligned} 9x - 9y &= -18 \\ -9x + 4y &= 3 \end{aligned}$$

7)
$$\begin{aligned} 3x + 9y &= 9 \\ -8x - 9y &= 6 \end{aligned}$$

8)
$$\begin{aligned} -6x - y &= 7 \\ 6x - 3y &= -3 \end{aligned}$$

9)
$$\begin{aligned} 7x + y &= -27 \\ x - y &= -5 \end{aligned}$$

10)
$$\begin{aligned} -8x - y &= 23 \\ 8x + 2y &= -14 \end{aligned}$$

11)
$$\begin{aligned} -3x + y &= 5 \\ 3x + 8y &= -14 \end{aligned}$$

12)
$$\begin{aligned} 6x - 7y &= -30 \\ -6x + 3y &= 6 \end{aligned}$$

13)
$$\begin{aligned} 6x + 7y &= -17 \\ -9x - 7y &= 8 \end{aligned}$$

14)
$$\begin{aligned} 2x - 2y &= -8 \\ -2x + 10y &= -8 \end{aligned}$$

$$15) \begin{aligned} -6x + y &= 28 \\ 5x - y &= -22 \end{aligned}$$

$$16) \begin{aligned} -8x + 7y &= 0 \\ -4x - 7y &= 0 \end{aligned}$$

$$17) \begin{aligned} -5x - 10y &= -5 \\ 5x - 3y &= 5 \end{aligned}$$

$$18) \begin{aligned} 8x + 3y &= 20 \\ -8x - 2y &= -24 \end{aligned}$$

$$19) \begin{aligned} 4x - 6y &= -14 \\ -4x - 5y &= 25 \end{aligned}$$

$$20) \begin{aligned} 9x - 3y &= -18 \\ -4x + 3y &= -2 \end{aligned}$$

$$21) \begin{aligned} -2x - 4y &= 4 \\ 2x - 9y &= -4 \end{aligned}$$

$$22) \begin{aligned} 9x - 4y &= 26 \\ -9x + 5y &= -19 \end{aligned}$$

$$23) \begin{aligned} -5x - 8y &= 2 \\ 7x + 8y &= -22 \end{aligned}$$

$$24) \begin{aligned} 3x - 7y &= -21 \\ -3x - 3y &= 21 \end{aligned}$$

$$25) \begin{aligned} -x - y &= -2 \\ x + 5y &= 10 \end{aligned}$$

$$26) \begin{aligned} -x - 2y &= 6 \\ -5x + 2y &= -30 \end{aligned}$$

$$27) \begin{aligned} -3x - 6y &= -18 \\ 7x + 6y &= 18 \end{aligned}$$

$$28) \begin{aligned} 7x - 7y &= 0 \\ -4x + 7y &= -24 \end{aligned}$$

$$29) \begin{aligned} 3x - y &= -5 \\ x + y &= 5 \end{aligned}$$

$$30) \begin{aligned} -x - 6y &= -7 \\ x - 6y &= -5 \end{aligned}$$

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$$\begin{aligned} -6x + 8y &= -16 \\ -2x - 8y &= -16 \end{aligned}$$

(4, 1)

2)
$$\begin{aligned} 7x - y &= -20 \\ -2x + y &= 10 \end{aligned}$$

(-2, 6)

3)
$$\begin{aligned} 10x + y &= 30 \\ -2x - y &= -14 \end{aligned}$$

(2, 10)

4)
$$\begin{aligned} x + y &= 1 \\ -x + y &= -1 \end{aligned}$$

(1, 0)

5)
$$\begin{aligned} 7x + 7y &= 0 \\ 2x - 7y &= 9 \end{aligned}$$

(1, -1)

6)
$$\begin{aligned} 9x - 9y &= -18 \\ -9x + 4y &= 3 \end{aligned}$$

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7)
$$\begin{aligned} 3x + 9y &= 9 \\ -8x - 9y &= 6 \end{aligned}$$

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$$\begin{aligned} -6x - y &= 7 \\ 6x - 3y &= -3 \end{aligned}$$

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(-4, 1)

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$$\begin{aligned} -8x - y &= 23 \\ 8x + 2y &= -14 \end{aligned}$$

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$$\begin{aligned} 6x - 7y &= -30 \\ -6x + 3y &= 6 \end{aligned}$$

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(-6, -2)

$$\begin{aligned} 15) \quad & -6x + y = 28 \\ & 5x - y = -22 \\ & (-6, -8) \end{aligned}$$

$$\begin{aligned} 16) \quad & -8x + 7y = 0 \\ & -4x - 7y = 0 \\ & (0, 0) \end{aligned}$$

$$\begin{aligned} 17) \quad & -5x - 10y = -5 \\ & 5x - 3y = 5 \\ & (1, 0) \end{aligned}$$

$$\begin{aligned} 18) \quad & 8x + 3y = 20 \\ & -8x - 2y = -24 \\ & (4, -4) \end{aligned}$$

$$\begin{aligned} 19) \quad & 4x - 6y = -14 \\ & -4x - 5y = 25 \\ & (-5, -1) \end{aligned}$$

$$\begin{aligned} 20) \quad & 9x - 3y = -18 \\ & -4x + 3y = -2 \\ & (-4, -6) \end{aligned}$$

$$\begin{aligned} 21) \quad & -2x - 4y = 4 \\ & 2x - 9y = -4 \\ & (-2, 0) \end{aligned}$$

$$\begin{aligned} 22) \quad & 9x - 4y = 26 \\ & -9x + 5y = -19 \\ & (6, 7) \end{aligned}$$

$$\begin{aligned} 23) \quad & -5x - 8y = 2 \\ & 7x + 8y = -22 \\ & (-10, 6) \end{aligned}$$

$$\begin{aligned} 24) \quad & 3x - 7y = -21 \\ & -3x - 3y = 21 \\ & (-7, 0) \end{aligned}$$

$$\begin{aligned} 25) \quad & -x - y = -2 \\ & x + 5y = 10 \\ & (0, 2) \end{aligned}$$

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$$\begin{aligned} 29) \quad & 3x - y = -5 \\ & x + y = 5 \\ & (0, 5) \end{aligned}$$

$$\begin{aligned} 30) \quad & -x - 6y = -7 \\ & x - 6y = -5 \\ & (1, 1) \end{aligned}$$