

Math 10 (Numbers Relations & Functions)

Name _____

Elimination

Date _____

Solve each system by elimination.

$$\text{1) } \begin{array}{l} 2x + 8y = 8 \\ -3x - 8y = -4 \end{array} \quad \text{Add}$$

$$\text{2) } \begin{array}{l} -x + 4y = 7 \\ x + 4y = 25 \end{array} \quad \text{Add}$$

$$\text{3) } \begin{array}{l} -9x + 8y = 15 \\ -9x + 6y = 27 \end{array} \quad \text{Subtr}$$

$$\text{4) } \begin{array}{l} -x - 5y = -3 \\ -x + 3y = 13 \end{array} \quad \text{Subtr}$$

$$\text{5) } \begin{array}{l} -5x + 2y = 9 \\ 6x - 2y = -8 \end{array} \quad \text{Add}$$

$$\text{6) } \begin{array}{l} 5x + 5y = 30 \\ 5x + 2y = 12 \end{array} \quad \text{Subtr}$$

$$\text{7) } \begin{array}{l} -10x + 8y = -28 \\ 9x + 4y = 14 \end{array}$$

$$\text{8) } \begin{array}{l} -6x + y = -15 \\ -12x - 3y = -15 \end{array}$$

$$\text{9) } \begin{array}{l} -5x + 10y = -10 \\ -7x - 5y = -14 \end{array}$$

$$\text{10) } \begin{array}{l} -5x + 10y = 5 \\ 10x - 4y = 6 \end{array}$$

$$\text{11) } \begin{array}{l} 7x - 2y = 24 \\ 3x + 9y = 30 \end{array}$$

$$\text{12) } \begin{array}{l} -3x - 2y = 2 \\ -5x - 3y = 6 \end{array}$$

$$\text{13) } \begin{array}{l} 3x - 6y = 30 \\ -10x - 9y = -13 \end{array}$$

$$\text{14) } \begin{array}{l} 7x - 10y = 0 \\ -9x - 4y = 0 \end{array}$$

$$\text{15) } \begin{array}{l} -10x + 7y = 12 \\ -3x + 6y = -12 \end{array}$$

$$\text{16) } \begin{array}{l} -3x + 4y = 2 \\ -5x + 3y = 29 \end{array}$$

$$\text{17) } \begin{array}{l} -10x - 6y = -14 \\ 8x + 5y = 11 \end{array}$$

$$\text{18) } \begin{array}{l} -3x - 2y = 8 \\ -8x - 7y = 18 \end{array}$$

Attachments

solutions to Day 3 WS PDF Version.pdf