

Name: **ANSWERS!**

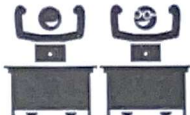
Class:



Communication



Successful Partnership



Encouragement



Solving Problem Together



Collaboration

Question 01

Use elimination with  $x$  or  $y$  to find the solution to the system of equations below.

$$\begin{array}{r} 10x + 2y = 30 \\ + (7x - 2y = 4) \\ \hline 17x = 34 \\ x = 2 \\ y = 5 \end{array}$$

Question 03

Use elimination with  $x$  or  $y$  to find the solution to the system of equations below.

$$\begin{array}{r} 6x + 5y = 38 \\ - (6x + 2y = 26) \\ \hline 3y = 12 \\ y = 4 \\ x = 3 \end{array}$$

Question 02

Use elimination with  $x$  or  $y$  to find the solution to the system of equations below.

$$\begin{array}{r} 6x + 5y = -14 \\ - (2x + 5y = 2) \\ \hline 4x = -16 \\ x = -4 \\ y = 2 \end{array}$$

Question 04

Use elimination with  $x$  or  $y$  to find the solution to the system of equations below.

$$\begin{array}{r} 3x + 2y = 26 \\ - (3x - 4y = -16) \\ \hline 6y = 42 \\ y = 7 \\ x = 4 \end{array}$$

## Question 05

Use elimination with  $x$  or  $y$  to find the solution to the system of equations below.

$$\begin{array}{r}
 2x - 3y = -10 \\
 + (10x + 3y = -14) \\
 \hline
 12x = -24 \\
 x = -2 \\
 y = 2
 \end{array}$$

## Question 07

Use elimination with  $x$  or  $y$  to find the solution to the system of equations below.

$$\begin{array}{r}
 5x + 6y = 39 \\
 - (5x + 2y = 23) \\
 \hline
 4y = 16 \\
 y = 4 \\
 x = 3
 \end{array}$$

## Question 09

Use elimination with  $x$  or  $y$  to find the solution to the system of equations below.

$$\begin{array}{r}
 2x + 10y = -14 \\
 - (2x - 3y = 25) \\
 \hline
 13y = -39 \\
 y = -3 \\
 x = 8
 \end{array}$$

## Question 06

Use elimination with  $x$  or  $y$  to find the solution to the system of equations below.

$$\begin{array}{r}
 7x + 5y = 22 \\
 - (6x + 5y = 16) \\
 \hline
 x = 6 \\
 y = -4
 \end{array}$$

## Question 08

Use elimination with  $x$  or  $y$  to find the solution to the system of equations below.

$$\begin{array}{r}
 3x + 5y = -37 \\
 - (3x + 2y = -22) \\
 \hline
 3y = -15 \\
 y = -5 \\
 x = -4
 \end{array}$$

## Question 10

Use elimination with  $x$  or  $y$  to find the solution to the system of equations below.

$$\begin{array}{r}
 7x + 2y = -33 \\
 + (9x - 2y = -15) \\
 \hline
 16x = -48 \\
 x = -3 \\
 y = -6
 \end{array}$$