

Matrices

Name: _____

Date: _____

Cramer's Rules

1

$$\begin{aligned} 2x + 4y &= 6 \\ 5x + 3y &= 15 \end{aligned} \quad \underline{\hspace{2cm}} \quad (3, 0)$$

2

$$\begin{aligned} 5x + 2y &= 10 \\ 3x + 2y &= 6 \end{aligned} \quad \underline{\hspace{2cm}}$$

3

$$\begin{aligned} 2x + 7y &= 7 \\ 8x + 2y &= 2 \end{aligned} \quad \underline{\hspace{2cm}}$$

4

$$\begin{aligned} 2x + 3y &= 6 \\ 3x + 3y &= 9 \end{aligned} \quad \underline{\hspace{2cm}}$$

5

$$\begin{aligned} 6x + 6y &= 12 \\ 4x + 2y &= 8 \end{aligned} \quad \underline{\hspace{2cm}}$$

6

$$\begin{aligned} 4x + 5y &= 15 \\ 3x + 4y &= 12 \end{aligned} \quad \underline{\hspace{2cm}}$$

7

$$\begin{aligned} 9x + 5y &= 15 \\ 3x + 3y &= 9 \end{aligned} \quad \underline{\hspace{2cm}}$$

8

$$\begin{aligned} 6x + 2y &= 12 \\ 7x + 2y &= 14 \end{aligned} \quad \underline{\hspace{2cm}}$$

9

$$\begin{aligned} 5x + 2y &= 10 \\ 6x + 2y &= 12 \end{aligned} \quad \underline{\hspace{2cm}}$$

10

$$\begin{aligned} 4x + 3y &= 7 \\ 6x + 8y &= 14 \end{aligned} \quad \underline{\hspace{2cm}}$$

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$$\begin{aligned} 2x + 4y &= 6 \\ 5x + 3y &= 15 \end{aligned} \quad \underline{\hspace{2cm} (3, 0) \hspace{2cm}}$$

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$$\begin{aligned} 5x + 2y &= 10 \\ 3x + 2y &= 6 \end{aligned} \quad \underline{\hspace{2cm} (2, 0) \hspace{2cm}}$$

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$$\begin{aligned} 2x + 7y &= 7 \\ 8x + 2y &= 2 \end{aligned} \quad \underline{\hspace{2cm} (0, 1) \hspace{2cm}}$$

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$$\begin{aligned} 2x + 3y &= 6 \\ 3x + 3y &= 9 \end{aligned} \quad \underline{\hspace{2cm} (3, 0) \hspace{2cm}}$$

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$$\begin{aligned} 6x + 6y &= 12 \\ 4x + 2y &= 8 \end{aligned} \quad \underline{\hspace{2cm} (2, 0) \hspace{2cm}}$$

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$$\begin{aligned} 4x + 5y &= 15 \\ 3x + 4y &= 12 \end{aligned} \quad \underline{\hspace{2cm} (0, 3) \hspace{2cm}}$$

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$$\begin{aligned} 9x + 5y &= 15 \\ 3x + 3y &= 9 \end{aligned} \quad \underline{\hspace{2cm} (0, 3) \hspace{2cm}}$$

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$$\begin{aligned} 5x + 2y &= 10 \\ 6x + 2y &= 12 \end{aligned} \quad \underline{\hspace{2cm} (2, 0) \hspace{2cm}}$$

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$$\begin{aligned} 4x + 3y &= 7 \\ 6x + 8y &= 14 \end{aligned} \quad \underline{\hspace{2cm} (1, 1) \hspace{2cm}}$$