

Matrices

Name: _____

Date: _____

Cramer's Rules

1

$$x + 2y = 1$$

$$4x + y = 8$$

2

$$5x + y = 4$$

$$2x + 2y = 5$$

3

$$3x + 4y = 2$$

$$9x + 8y = 9$$

4

$$6x + 2y = 10$$

$$4x + 5y = 8$$

5

$$5x + 3y = 6$$

$$2x + 2y = 10$$

6

$$5x + 14y = 7$$

$$2x + 10y = 5$$

7

$$x + 3y = 10$$

$$7x + 5y = 14$$

8

$$4x + 11y = 9$$

$$2x + 12y = 6$$

9

$$2x + 13y = 20$$

$$x + 10y = 14$$

10

$$2x + 7y = 12$$

$$5x + 2y = 10$$

Matrices

Name: _____

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Cramer's Rules

1

$$\begin{array}{l} x + 2y = 1 \\ 4x + y = 8 \end{array} \quad \underline{\left(\frac{15}{7}, \frac{-4}{7} \right)}$$

2

$$\begin{array}{l} 5x + y = 4 \\ 2x + 2y = 5 \end{array} \quad \underline{\left(\frac{3}{8}, \frac{17}{8} \right)}$$

3

$$\begin{array}{l} 3x + 4y = 2 \\ 9x + 8y = 9 \end{array} \quad \underline{\left(\frac{5}{3}, \frac{-3}{4} \right)}$$

4

$$\begin{array}{l} 6x + 2y = 10 \\ 4x + 5y = 8 \end{array} \quad \underline{\left(\frac{17}{11}, \frac{4}{11} \right)}$$

5

$$\begin{array}{l} 5x + 3y = 6 \\ 2x + 2y = 10 \end{array} \quad \underline{\left(\frac{-9}{2}, \frac{19}{2} \right)}$$

6

$$\begin{array}{l} 5x + 14y = 7 \\ 2x + 10y = 5 \end{array} \quad \underline{\left(0, \frac{1}{2} \right)}$$

7

$$\begin{array}{l} x + 3y = 10 \\ 7x + 5y = 14 \end{array} \quad \underline{\left(\frac{-1}{2}, \frac{7}{2} \right)}$$

8

$$\begin{array}{l} 4x + 11y = 9 \\ 2x + 12y = 6 \end{array} \quad \underline{\left(\frac{21}{13}, \frac{3}{13} \right)}$$

9

$$\begin{array}{l} 2x + 13y = 20 \\ x + 10y = 14 \end{array} \quad \underline{\left(\frac{18}{7}, \frac{8}{7} \right)}$$

10

$$\begin{array}{l} 2x + 7y = 12 \\ 5x + 2y = 10 \end{array} \quad \underline{\left(\frac{46}{31}, \frac{40}{31} \right)}$$