



Cramer's Rule in Two Variables

Version 1

Name: _____

Date: _____

Score: _____

Direction: Solve each system of equations using Cramer's Rule.

$$1) \begin{cases} 2x + 3y = 4 \\ x + y = 1 \end{cases}$$

$$2) \begin{cases} -2x + 4y = 1 \\ -2x + y = -3 \end{cases}$$

$$3) \begin{cases} 3x - 2y = 3 \\ x + 5y = 2 \end{cases}$$



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$$1) \begin{cases} 2x + 3y = 4 \\ x + y = 1 \end{cases}$$

$$x = -1, y = 2$$

$$2) \begin{cases} -2x + 4y = 1 \\ -2x + y = -3 \end{cases}$$

$$x = \frac{13}{6}, y = \frac{4}{3}$$

$$3) \begin{cases} 3x - 2y = 3 \\ x + 5y = 2 \end{cases}$$

$$x = \frac{19}{17}, y = \frac{3}{17}$$