

Cramer's Rule Worksheet

1. Describe Cramer's Rule in your own words:

2. Show Cramer's Rule works for a 2 x 2 matrix by solving the following system of equations by a method other than Cramer's Rule, then by using Cramer's Rule.

$$2x + 3y = 15$$

$$4x + y = 5$$

3. Use Cramer's Rule to find a solution for the following system.

$$\begin{array}{cccc} 1 & 2 & 1 & 2 \\ -1 & 6 & 1 & 6 \\ 3 & -2 & 2 & -4 \end{array}$$

4. On the back of this paper, describe in your own words why Cramer's rule works.