

Cramer's Rules – a rule using determinants to express the solution of a system of linear algebraic equations for which the number of equations is equal to the number of variables.

For example: To solve x and y from $ax + by = e; cx + dy = f$; $x = \frac{\begin{vmatrix} e & f \\ b & d \end{vmatrix}}{\begin{vmatrix} a & b \\ c & d \end{vmatrix}}$; $y = \frac{\begin{vmatrix} e & f \\ a & c \end{vmatrix}}{\begin{vmatrix} a & b \\ c & d \end{vmatrix}}$,

where $\begin{vmatrix} a & b \\ c & d \end{vmatrix} = ad - bc$.