

DETERMINANTES DE 3X3 POR MÉTODO DE CRAMER

Las respuestas deben ir con Signos (+144) o (-144)

$$\begin{cases} -12x + 1y + 2z = 4 \\ -6x - 3y + 6z = 1 \\ +9x - 6y + 3z = 3 \end{cases}$$

$$D = \begin{vmatrix} -12 & +1 & +2 \\ -6 & -3 & +6 \\ +9 & -6 & +3 \end{vmatrix}$$

D=

$$D_x = \begin{vmatrix} +4 & +1 & +2 \\ -3 & +6 \\ +3 & -6 & +3 \end{vmatrix}$$

$$X = \frac{\quad}{-126}$$

$$X = \frac{\quad}{42}$$

$$D_y = \begin{vmatrix} -12 & +4 & +2 \\ +1 & +6 \\ +9 & +3 & +3 \end{vmatrix}$$

$$Y = \frac{\quad}{-126}$$

$$Y = \frac{\quad}{7}$$

$$D_z = \begin{vmatrix} -12 & +1 & +4 \\ -6 & +1 \\ +9 & -6 & +3 \end{vmatrix}$$

$$Z = \frac{\quad}{-126}$$

$$Z = \frac{\quad}{2}$$

DETERMINANTES DE 2X2 POR MÉTODO DE CRAMER

$$\begin{cases} 7x+2y=3 \\ 1x+12y=17 \end{cases}$$

$$D \begin{vmatrix} x & y \\ +7 & +2 \\ +1 & \end{vmatrix}$$

$$D=$$

$$D_x = \begin{vmatrix} +3 & +2 \\ +17 & \end{vmatrix}$$

$$x = \frac{\quad}{82}$$

$$x = \frac{\quad}{41}$$

$$D_y = \begin{vmatrix} & +3 \\ +1 & +17 \end{vmatrix}$$

$$y = \frac{\quad}{82}$$

$$y = \frac{\quad}{41}$$