

RESOLVER POR CRAMER

$$3x+2y+z=2$$

$$4x+2y+2z=8$$

$$x-y+z=4$$



$$\Delta = \begin{vmatrix} 3 & 2 & 1 \\ 4 & 2 & 2 \\ 1 & -1 & 1 \end{vmatrix} = ((3)(2)(1) + (4)(-1)(1) + (1)(2)(2)) - ((1)(2)(1) + (2)(-1)(1) + (1)(4)(2)) =$$

$x =$	$\begin{vmatrix} 2 & 1 \\ 2 & 2 \\ -1 & 1 \end{vmatrix}$	$= (\quad) (\quad) (1) + (\quad) (-1)(1) + (4)(\quad) (\quad) - (\quad) (1)(2)(\quad) + (2)(-1)(\quad) + (1)(2)(\quad) = \frac{\quad}{\Delta}$	$x =$ $x =$
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$y =$	$\begin{vmatrix} 3 & 1 \\ 4 & 2 \\ 1 & 1 \end{vmatrix}$	$= (\quad) (3)(\quad) (1) + (\quad) (\quad) (1) + (1)(\quad) (\quad) - (\quad) (1)(\quad) (1) + (2)(4)(\quad) + (1)(2)(\quad) = \frac{\quad}{\Delta}$	$y =$ $y =$
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$$z = \begin{vmatrix} 3 & 2 & 2 \\ 4 & 2 & 8 \\ 1 & -1 & 4 \\ 3 & 2 & 8 \\ 4 & 2 & 8 \end{vmatrix} = \left(\begin{matrix} (3)(2)(\quad) + (4)(-1)(\quad) + (1)(2)(\quad) \end{matrix} \right) - \left(\begin{matrix} (\quad)(\quad)(1) + (\quad)(-1)(3) + (\quad)(2)(\quad) \end{matrix} \right) =$$

Δ

$z =$

$z =$