



TEMA:

Determinante método cofactor

Complete los procesos para desarrollar la determinante de una matriz

$$\begin{bmatrix} 3 & 2 & 1 \\ -2 & 1 & 7 \\ 3 & -1 & 8 \end{bmatrix}$$

$$\Delta = c_1 C_1 + c_2 C_2 + c_3 C_3$$

$$C_1 = (-1)^{1+} = \begin{vmatrix} 2 & 3 \\ -1 & 8 \end{vmatrix} = (2 \cdot 8 - (-3)) =$$

$$C_2 = (-1)^{1+2} = \begin{vmatrix} -2 & 7 \\ 3 & 8 \end{vmatrix} = -(-16 - 21) =$$

$$C_3 = (-1)^{1+3} = \begin{vmatrix} -2 & 1 \\ 3 & -1 \end{vmatrix} = (2 - 3) =$$

$$\Delta = 1(\quad) + (-9) + 8(\quad)$$

$$\Delta = \quad + 63 + \quad =$$



$$\Delta = a_3 A_3 + b_3 B_3 + c_3 C_3$$

$$A_3 = (-1)^{3+3} = \begin{vmatrix} & & \\ & & \\ & & \end{vmatrix} = (14 -) =$$

$$B_3 = (-1)^{3+2} = \begin{vmatrix} & & \\ & & \\ & & \end{vmatrix} = - (+ 2) =$$

$$C_3 = (-1)^{3+3} = \begin{vmatrix} & & \\ & & \\ & & \end{vmatrix} = (+) = 7$$

$$\Delta = 3() - 1() + (7)$$

$$\Delta = + + 56 =$$