

COMPETENCIA: MATRICES

Determinante de la matriz

RESOLVER ESTE DETERMINANTE POR DOS MÉTODOS CONOCIDOS

(Agregando las dos primeras columnas)

$$\det(I) \text{ o } |I| \quad I = \begin{pmatrix} -3 & 6 & 3 \\ 2 & -1 & 4 \\ 0 & -2 & -2 \end{pmatrix}$$

$$\det I = [(\quad)(\quad)(\quad) + (\quad)(\quad)(\quad) + (\quad)(\quad)(\quad)] -$$

$$[(\quad)(\quad)(\quad) + (\quad)(\quad)(\quad) + (\quad)(\quad)(\quad)]$$

$$\det I = [(\quad) + (\quad) + (\quad)] - [(\quad) + (\quad) + (\quad)]$$

$$\det I = [(\quad)] - [(\quad)] \quad \det = \underline{\hspace{2cm}}$$

Agregando las dos primeras filas

$$\det(I) \text{ o } |I| \quad I = \begin{pmatrix} -3 & 6 & 3 \\ 2 & -1 & 4 \\ 0 & -2 & -2 \end{pmatrix} \quad I = \begin{pmatrix} -3 & 5 & 0 \\ 5 & -3 & 4 \\ -1 & -2 & -2 \end{pmatrix}$$

$$\begin{pmatrix} -3 & 5 & 0 \\ 5 & -3 & 4 \end{pmatrix}$$

$$I = [(\quad)(\quad)(\quad) + (\quad)(\quad)(\quad) + (\quad)(\quad)(\quad)] -$$

$$[(\quad)(\quad)(\quad) + (\quad)(\quad)(\quad) + (\quad)(\quad)(\quad)]$$

$$I = [(\quad) + (\quad) + (\quad)] - [(\quad) + (\quad) + (\quad)]$$

$$I = [(\quad)] - [(\quad)]$$

$$I = \underline{\hspace{2cm}}$$