COMPETENCIA: MATRICES

Determinante de la matriz

RESOLVER ESTE DETERMINANTE POR DOS MÉTODOS CONOCIDOS

(Agregando las dos primeras columnas)

$$det\ (I)\ o|\ I|\quad I = \begin{pmatrix} -3 & 5 & 0 \\ 5 & -6 & 4 \\ -2 & -7 & 2 \end{pmatrix} \qquad I = \begin{pmatrix} -3 & 5 & 0 \\ 5 & -6 & 4 \\ -2 & -7 & 2 \end{pmatrix}\begin{pmatrix} -3 & 5 \\ 5 & -6 \\ -2 & -7 \end{pmatrix}$$

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

$$[(\dots)(\dots)(\dots) + (\dots)(\dots)(\dots) + (\dots)(\dots)(\dots)]$$

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

$$\det I = [(\dots)] - [(\dots)] \qquad \det = \underline{\qquad}$$

$$de\ t(I)\ o|\ I|\quad I = \begin{pmatrix} -4 & 5 & -3 \\ -8 & 6 & 4 \\ -5 & -2 & -1 \end{pmatrix} \qquad I = \begin{pmatrix} -4 & 5 & -3 \\ -8 & 6 & 4 \\ -5 & -2 & -1 \end{pmatrix}\begin{pmatrix} -4 & 5 & -3 \\ -8 & 6 & 4 \end{pmatrix}$$

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

$$[(\dots)(\dots)(\dots) + (\dots)(\dots)(\dots) + (\dots)(\dots)(\dots)]$$

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

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

$$I = \underline{\qquad}$$

(Agregando las dos primeras columnas)

$det\,(M)\;o\;|M|$ $M = \begin{pmatrix} 4 & -5 & 1 \\ -3 & -7 & 4 \\ -6 & 3 & -2 \end{pmatrix}$

$\det M = [(\dots)(\dots)(\dots) + (\dots)(\dots)(\dots) + (\dots)(\dots)(\dots)] -$

$[(\dots)(\dots)(\dots) + (\dots)(\dots)(\dots) + (\dots)(\dots)(\dots)]$

$\det M = [(\dots) + (\dots) + (\dots)] - [(\dots) + (\dots) + (\dots)]$

$\det M = [(\dots)] - [(\dots)]$ $\det M =$

Agregando las dos primeras filas

$de\,t(M)\;o\;|M|$ $M = \begin{pmatrix} 4 & -5 & 1 \\ -3 & -7 & 4 \\ -6 & 3 & -2 \end{pmatrix}$

$M = [(\dots)(\dots)(\dots) + (\dots)(\dots)(\dots) + (\dots)(\dots)(\dots)] -$

$[(\dots)(\dots)(\dots) + (\dots)(\dots)(\dots) + (\dots)(\dots)(\dots)]$

$M = [(\dots) + (\dots) + (\dots)] - [(\dots) + (\dots) + (\dots)]$

$M = [(\dots)] - [(\dots)]$

$M = \underline{\quad\quad}$