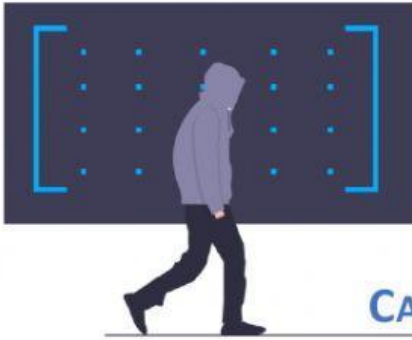




CALCULANDO DETERMINANTES

1) Calcular los siguientes determinantes:

$$a) \begin{vmatrix} 1 & 3 \\ -1 & 2 \end{vmatrix} = \quad b) \begin{vmatrix} 2 & 1 \\ -2 & 4 \end{vmatrix} =$$

$$c) \begin{vmatrix} \sqrt{2} & \sqrt{3} \\ -\sqrt{3} & \sqrt{2} \end{vmatrix} = \quad d) \begin{vmatrix} 1 + \sqrt{2} & 1 + \sqrt{3} \\ 1 - \sqrt{3} & 1 - \sqrt{2} \end{vmatrix} =$$

$$e) \begin{vmatrix} 3 & -1 & 5 \\ -1 & 2 & 1 \\ 2 & 4 & 3 \end{vmatrix} =$$

$$f) \begin{vmatrix} 0 & 2 & -5 \\ -1 & 0 & 1 \\ -5 & 1 & 0 \end{vmatrix} =$$

$$g) \begin{vmatrix} 1 & 0 & 0 \\ 0 & 1 & 0 \\ 0 & 0 & 1 \end{vmatrix} =$$

2) Dadas las matrices:

$$A = \begin{pmatrix} 3 & 2 \\ -1 & 2 \end{pmatrix} \text{ y } B = \begin{pmatrix} 1 & 3 \\ -2 & 5 \end{pmatrix}$$

Calcular:

$$b) |A| =$$

$$c) |B| =$$

$$d) |A + B| =$$

$$e) |A| + |B| =$$

$$f) A \cdot B = \begin{pmatrix} & \end{pmatrix}$$

$$g) |A \cdot B| =$$

$$h) |A| \cdot |B| =$$

