## torrefor boisieor

01-Obtenha os produtos AB e BA, caso existam, dadas as motrices:

A=[3 -1] e B=[-1 2 0]

[0 2] 5 -3 4

$$A = \begin{bmatrix} 3 & -1 \end{bmatrix} e B = \begin{bmatrix} -1 & 2 & 0 \\ 1 & -3 & 4 \end{bmatrix}$$

## Pesposta:

## Resposta:

$$AB=\begin{bmatrix} 23 & -36 \end{bmatrix}$$
 e  $BA=\begin{bmatrix} 3 & -2 & -9 \\ -36 & -30 & -30 \end{bmatrix}$   $\begin{bmatrix} -36 & -30 & -30 \\ -20 & -8 & 4 \end{bmatrix}$ 

$$03 - A = \begin{bmatrix} -1 & 0 \\ 1 & 2 \end{bmatrix}$$
  $A^{t} = \begin{bmatrix} -1 & 1 \\ 0 & 2 \end{bmatrix}$ 

$$\begin{bmatrix} -\alpha + 1 & \alpha + 0 \end{bmatrix} - \alpha + 1 = 0 & \alpha + 0 = 1$$

$$\begin{bmatrix} -\alpha + 1 & \alpha + 0 \end{bmatrix} - \alpha + 1 = 0 & \alpha + 0 = 1$$

Pesposta: 
$$\alpha = 1$$
 alternativa(E).