Et: Find the invese of [3 2].

$$\begin{bmatrix} 3 & 27 \\ 7 & 4 \end{bmatrix}^{2} = \begin{bmatrix} 7 & 4 & -27 \\ 12 & -14 \end{bmatrix}^{2} = \begin{bmatrix} 4 & -27 \\ -7 & 3 \end{bmatrix}^{2}$$

$$= \begin{bmatrix} -2 & 7 & 7 \\ 7 & -\frac{3}{2} \end{bmatrix}^{2}$$

Ep: Find the inverse of [3 -4].

$$\begin{bmatrix} 3 & -47 & -1 \\ 7 & -8 \end{bmatrix}^{2} - 24 - (-28) \begin{bmatrix} -8 & 47 \\ -7 & 3 \end{bmatrix}$$

$$= \begin{bmatrix} -8 & 47 \\ 4 & -7 & 3 \end{bmatrix}$$

$$= \begin{bmatrix} -3 & 17 \\ -\frac{7}{4} & \frac{3}{4} \end{bmatrix}$$

Et: Find the inverse of A= [4 7].

[470] ~ [470] ~

[0-1-\frac{\psi}{5}] \ \left[0] \

10 - 5 d J 0 1 \frac{9}{5} -1]

Therefore A 2 4.

4

Ex. Find the inverse of A2 [4 -7 3].

therefore A is not invertible.