$$\begin{bmatrix} -1 & -4 & -4 & -14 &$$

+)-9 A. Phe 2x3 matrix will all entries agral to zero. o linearly independent.

o 15 Not (does not spain). A 37 = 6 A X = 6 $(=) A (\begin{bmatrix} 3 \\ 4 \\ 5 \end{bmatrix} - \lambda) = 0$ $A\left(\begin{bmatrix} \frac{37}{4} & \frac{137}{3} \end{bmatrix} - A\left(\frac{37}{3}\right) - A\left(\frac{37}{3}\right)$