1) 
$$P = (2, 3, -1)$$
  $P = \begin{pmatrix} 3 \\ 2 \\ 2 \\ -26 \end{pmatrix} + P = \begin{pmatrix} 3 \\ 2 \\ -26 \\ -26 \end{pmatrix} + P = \begin{pmatrix} 3 \\ 2 \\ -26 \\ -26 \end{pmatrix} + P = \begin{pmatrix} 3 \\ 2 \\ -26 \\ -26 \end{pmatrix} + P = \begin{pmatrix} 3 \\ 2 \\ -26 \\ -26 \end{pmatrix} + P = \begin{pmatrix} 3 \\ 2 \\ -26 \\ -26 \end{pmatrix} + P = \begin{pmatrix} 3 \\ 2 \\ -26 \\ -26 \end{pmatrix} + P = \begin{pmatrix} 3 \\ 2 \\ -26 \\ -26 \end{pmatrix} + P = \begin{pmatrix} 3 \\ 2 \\ -26 \\ -26 \end{pmatrix} + P = \begin{pmatrix} 3 \\ 2 \\ -26 \\ -26 \end{pmatrix} + P = \begin{pmatrix} 3 \\ 2 \\ -26 \\ -26 \end{pmatrix} + P = \begin{pmatrix} 3 \\ 2 \\ -26 \\ -26 \end{pmatrix} + P = \begin{pmatrix} 3 \\ 2 \\ -26 \\ -26 \end{pmatrix} + P = \begin{pmatrix} 3 \\ 2 \\ -26 \\ -26 \end{pmatrix} + P = \begin{pmatrix} 3 \\ 2 \\ -26 \\ -26 \end{pmatrix} + P = \begin{pmatrix} 3 \\ 2 \\ -26 \\ -26 \end{pmatrix} + P = \begin{pmatrix} 3 \\ 2 \\ -26 \\ -26 \end{pmatrix} + P = \begin{pmatrix} 3 \\ 2 \\ -24 \\$ 

3) a) ATE NT for some 2 P) 4-YI = [1-x ] => (1-x)2-4=0 7=3,-1 E3=N([3-1 2])=N([22]) =3= { [ " ] X . C R 44 En = {[X] 15: X, ETR) Whit 15 C1, C2. 4) W= 4, [0] + 62 [-1] Vie [6,+62] Vz= [a] st a+k=0 Vz= [-k] 7, - 72 = [c122] . [2/4] = -ke, -kez+2kez+ke,-kez=0 6) True 44 2) False, Z could be an eigenvector d) False, a 4x3 matrix can have Adependent raws, but not cols be it has more rows than cols