Muchammad Panigal Kautrat 21/479067/TK/52800

PR Tutor TVM 6

$$A : \begin{bmatrix} 1 & 1 & 2 \\ -1 & -7 & -5 \end{bmatrix}$$

Comi basis until C(A), C(A), N(A), N(A)

Boktikon bahwa NA) + ((AT) dan N(AT) + ((A)

Pref => [1 2 3] Rite. [1 2 2 3] Rite. [1 2 3/2] - Ri-R2 [1 0 1/2]

Rice => [1 2 3] Rite. [1 2 2 3] Rite. [1 1 2 3/2] - Ri-R2 [1 0 1/2]

Rice => [1 2 3] Rite. [1 2 2 3] Rite. [1 1 2 3/2] - Ri-R2 [1 0 1/2]

Rice => [1 2 3] Rite. [1 2 2 3] Rite. [1 1 2 3/2] - Ri-R2 [1 0 1/2]

Rice => [1 2 3] Rite. [1 2 2 3] Rite. [1 1 2 3/2] - Ri-R2 [1 0 1/2]

Rice => [1 2 3] Rite. [1 2 2 3] Rite. [1 1 2 3/2] - Ri-R2 [1 0 1/2]

Rice => [1 2 3] Rite. [1 2 3] Rite. [1 1 2 3/2] - Ri-R2 [1 0 1/2]

Rice => [1 2 3] Rite. [1 1 2 3/2] Rite. [1 1 2 3/2]

Rice => [1 2 3] Rite. [1 1 2 3/2]

Rice => [1 2 3/2] Rite. [1 1 2 3/2]

Rice => [1 2 3/2]

Rice => [

Bossis $c(A) = \begin{bmatrix} i \\ -1 \end{bmatrix} \cdot \begin{bmatrix} i \\ -3 \end{bmatrix}$

Nulspace = $\begin{bmatrix} -1/2 \\ -3/2 \end{bmatrix}$ $\times_3 = \partial a sir N(A) = \begin{bmatrix} -1/2 \\ -9/2 \\ 1 \end{bmatrix}$

AT = (10-1) 23-5

PREF = [10-1] R2-R [10-1] R2+1/2 [10-1] K3-3R2 [00-1]
R3-2R1 [07-3] R3-2R1 [07-3]

Basis dA = [1] [0]

Mattiple Barr of N(A1): []

 $N(A) \perp ((A^{T}) = N(A) \cdot C(A^{T}) - P \left\{ \frac{1}{2} \right\} \cdot \left(\frac{1}{2} \right) = -1/2 - 1/2 + 2 = 0$

 $N(A^{T}) \perp C(A) = N(A^{T}) \cdot C(A) \rightarrow \begin{bmatrix} -\frac{1}{2} \\ -\frac{3}{2} \\ 1 \end{bmatrix} \cdot \begin{bmatrix} 0 \\ -\frac{3}{2} \\ 1 \end{bmatrix} \cdot$