

## QUIZ 20

Diagonalize the following matrix if possible:

$$A = \begin{bmatrix} 5 & -1 & 0 & -5 \\ 0 & 1 & 6 & -3 \\ 0 & 0 & 4 & 0 \\ 0 & 0 & 0 & 4 \end{bmatrix}$$