

Quiz No: 5**Math 260**

1. Find a matrix that diagonalizes $A = \begin{pmatrix} 1 & 2 & 1 \\ 6 & -1 & 0 \\ -1 & -2 & -1 \end{pmatrix}$. The Eigenvalues of the matrix are $\lambda_{1,2,3} = 0, 3, -4$.
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