

Eigenvalues

Linear Algebra

- Find the eigenvalues and eigenvectors for the given matrices.

1. $A = \begin{bmatrix} 2 & 5 \\ 4 & 3 \end{bmatrix}$

2. $A = \begin{bmatrix} 1 & -2 & 0 \\ 0 & 0 & 0 \\ 0 & 1 & 1 \end{bmatrix}$

3. $A = \begin{bmatrix} 1 & -2 & 1 \\ 0 & 0 & 0 \\ 0 & 1 & 1 \end{bmatrix}$