

Section 6.2

The $n \times n$ matrix A

Any set of eigenvectors

$$\begin{bmatrix} 5 & -4 \\ 3 & -2 \end{bmatrix}$$

$$\begin{bmatrix} 3 & -1 \\ 1 & 1 \end{bmatrix}$$

$$\begin{bmatrix} 2 & -2 & 1 \\ 2 & -2 & 1 \\ 2 & -2 & 1 \end{bmatrix}$$