

Dr. Z.'s Calc5 Homework assignment For Linear Algebra Refresher

- 1.** Find all the eigenvalues of the matrix

$$\begin{bmatrix} 5 & -6 \\ 2 & -2 \end{bmatrix} \quad ,$$

and determine a basis for each eigenspace.

- 2.** Find all the eigenvalues of the matrix

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

and determine a basis for each eigenspace.