

King Fahd University of Petroleum and Minerals
Department of Mathematics and Statistics
Math 260 (171) Sec 04 - Quiz 3

Name:

ID:

Serial No.:

1. Use Cayley-Hamilton theorem to find A^{-1} of

$$A = \begin{bmatrix} 2 & 0 & 1 \\ -2 & 3 & 4 \\ -5 & 5 & 6 \end{bmatrix}$$

2. Find the eigenvalues and eigenvectors of $\begin{bmatrix} 1 & 1 \\ -2 & 3 \end{bmatrix}$