

KING FAHD UNIVERSITY OF PETROLEUM AND MINERALS
DEPARTMENT OF MATHEMATICS AND STATISTICS
MATH 260 - QUIZ 4

Name:

Student ID #:

Question. Consider the matrix

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

Determine if A is diagonalizable or not. If it is diagonalizable find two matrices P and D so that $A = PDP^{-1}$

Your Solution.