

Name _____

Student I.D. _____

Math 2250-1
Quiz 10
November 18, 2011

1) Consider the matrix

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

1a) Find the eigenvalues of A , and corresponding eigenvectors.

(8 points)

1b) Is the matrix A diagonalizable? Explain.

(2 points)