

MATH 335 Quiz 5

Name: _____

Show all work. Can use Matlab to check but show how you got there. 5 points each.

1. a) Find the characteristic polynomial and eigenvalues of $\begin{bmatrix} -4 & 2 \\ 6 & 7 \end{bmatrix}$.

b) Find a basis for each eigenspace. Be sure to include the Augmented matrices for each and their row reduced echelon form.