Linear Algebra | Quiz for Section 3.4 | October 8, 2009

Name: _____ R. Hammack Score: _____

Directions: Please answer all questions in the space provided. Use of calculators or any form of electronic communication device is strictly forbidden on this quiz.

The following problems concern the matrix $A = \begin{bmatrix} 2 & 0 \\ -6 & -1 \end{bmatrix}$.

1. Find the eigenvalues of A.

2. For each eigenvalue from Question 1, find the corresponding eigenvectors.