

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 $A = \begin{bmatrix} 37 & 105 \\ -14 & -40 \end{bmatrix}$.

1. Find the eigenvalues of A .

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