Quiz #9

Directions: Carefully read each question below and answer to the best of your ability in the space provided. Your answer to problems should be written in a clear and concise manner.
You **MUST** show your work to receive full credit!

1. (5 points) Find the eigenvalues of the following matrix:

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

2. (5 points) Find the least squares solution to the following system:

$$\begin{bmatrix} 1 & -2 \\ 1 & 0 \\ 1 & 2 \end{bmatrix} \begin{bmatrix} x_1 \\ x_2 \end{bmatrix} = \begin{bmatrix} 1 \\ 2 \\ 4 \end{bmatrix}$$

Name: _____

Section (circle one):   001   002

Question:	1	2	Total
Points:	5	5	10
Score:			