

Math 4133 - Linear Algebra

Quiz #3 - 2010.02.17

Name: _____

1. Compute the transpose of the following matrix:

$$\begin{bmatrix} 2 & -1 & 3 \\ -8 & 0 & 3 \\ -9 & 7 & 4 \\ 5 & -6 & 7 \end{bmatrix}$$

2. Compute the determinant of the following matrix:

$$A = \begin{bmatrix} 1 & -2 \\ 2 & 5 \end{bmatrix}$$

3. Using your answer to problem 2, does A have an inverse? Why or why not?(You do not have to actually find the inverse!)