

Math 4133 - Linear Algebra

Quiz #4 - 2008.02.25

Name: _____

For the following problems, define A as follows:

$$A = \begin{bmatrix} 2 & -3 & 0 \\ 7 & -2 & -1 \\ 0 & 1 & 3 \end{bmatrix}.$$

1. Compute the determinant of A by expanding along any row or column.
2. Compute the cofactor matrix C to A .
3. Compute the transpose of C .
4. Compute A^{-1} using the adjoint formula and your answers to problems 1, 2 and 3.