

Math 240 Fall 2011
Quiz 2
TA: Matti Åstrand

Name: _____
Recitation: _____

Show all work clearly and in order, and box your final answers. You have 10 minutes to take this quiz.

1. (5 points) Compute:

$$\det \begin{pmatrix} 1 & 2 & 9 & 2 & 1 \\ 2 & 6 & 0 & 4 & 9 \\ 3 & 2 & 0 & 6 & 6 \\ 4 & 7 & 9 & 8 & 3 \\ 5 & 3 & 7 & 10 & 2 \end{pmatrix}$$

(Hint: try to do it easily.)

2. (10 points) Find the rank of the following matrix:

$$\begin{pmatrix} 1 & 2 & -1 \\ -3 & -9 & 6 \\ -2 & -5 & 3 \end{pmatrix}$$