

Math 240 Fall 2011
Quiz 1
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 the following vector.

$$\begin{pmatrix} 3 & -2 \\ 2 & 0 \end{pmatrix} \begin{pmatrix} 1 & -1 \\ 4 & 1 \end{pmatrix} \begin{pmatrix} -1 \\ 2 \end{pmatrix}$$

2. (10 points) Solve the following system of equations.

$$\begin{cases} 3x_2 - 2x_3 = 3 \\ 2x_1 + x_3 = 8 \\ x_1 - x_2 = 4 \end{cases}$$