Math 2210Q-004 Applied Linear Algebra
E-Mail Assignments
on the readings in the textbook

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Submit by E-Mail by 7:00 am on the date due (before class)
to dgross@math.uconn.edu.

Due for Tuesday, February 10

Section 2.1 Matrix Operations
Section 2.2 The Inverse of a Matrix

To read: Reread section 2.1; Read section 2.2

To Do: Homework from section 1.9

Be sure sure to understand: The section "Matrix Multiplication"; The transpose of a matrix; Theorems 6 and 7 in section 2.2 as well as the section, "Another View of Matrix Inversion".

Email Subject Line: 2210EA 02/10 YourLastName

Questions:

1. What is the determinant of $\begin{bmatrix} 3 & 4 \\ 5 & 6 \end{bmatrix}$?

2. Suppose A is invertible. Can $A\vec{x} = \vec{b}$ have infinitely many solutions?

3. What is the relationship between elementary row operations on a matrix A and elementary matrices?
