

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

David Gross
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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 Thursday, February 26

Section 3.1 Introduction to Determinants

Section 3.2 Properties of Determinants

To read: Read Sections 3.1 and 3.2.

Be sure sure to understand: The definition of the determinant.

Email Subject Line: 2210EA 02/26 YourLastName

Questions:

1. Why do we care about finding $\det A$, the determinant of a matrix A ?

2. Let A be the matrix $\begin{bmatrix} 8 & 2 & 1 & 7 \\ 0 & 3 & 9 & 1 \\ 0 & 0 & 6 & 2 \\ 0 & 0 & 0 & 4 \end{bmatrix}$. Find $\det A$.

3. How does the a row replacement operation on a matrix A affect the determinant of A ?
