

**Tentative outline of Midterm 2  
(Math\*1160)**

<u>Questions</u>	<u>Sections covered</u>
Q1	3.1, 3.2
Q2	3.3, 3.4
Q3	4.1
Q4	4.2, 4.3

- 3.1 Definition of Determinants
- 3.2 Properties of Determinants
- 3.3 Cofactor Expansion
- 3.4 Inverse of a Matrix
- 4.1 Vectors in the Plane and in n-space
- 4.2 Vector Spaces
- 4.3 Subspaces

**Notes:**

- The test consists of 4 fully written (not multiple choice) questions
- Answers without justification will receive little or no credit
- No notes or books are allowed
- Scientific (NOT graphing) calculators are allowed
- The test is 1 hour long
- As specified in the course outline a small part of the questions (roughly 15%) will be devoted to applications and/or MATLAB