MATH 260 — HOMEWORK 1.

due on Friday, January 19.

by Tom M. Apostol

Topics:
• Review of Math 116
  – Chapter 1 and Chapter 2
• Chapter 3. Determinants
  – 3.1 Introduction
  – 3.2 Motivation for the choice of axioms for a determinant function
  – 3.3 A set of axioms for a determinant function
  – 3.4 Computation of Determinants
  – 3.5 The Uniqueness theorem
  – 3.6 Exercises

First Homework Assignment.

Reading:
• Read Sections 2.1 to 2.5.

Problems: Make sure you can do all the Problems in Section 3.6 to but write up (only) the following problems to be handed in:
  (1) Section 2.20 (page 67): 10 (a) (b),
  (2) Section 2.21 (page 68): 2, 7
  (3) Section 3.6 (page 79): 1 (b), 3 (a) (b), 4 (d) (e), 10.