due on Friday, March 17.

by J. E. Marsden and M. J. Hoffman

Additional Reading: “Foundations of Modern Analysis”
by J. Dieudonné

Topics:
• Chapter 6: Differentiable Mappings
  – 6.1 Definition of the Derivative
  – 6.2 Matrix Representation
  – 6.4 Conditions for Differentiability
  – 6.8 Taylor's Theorem and Higher Derivatives

Seventh Homework Assignment.

Reading:

Exercises: Problems:
• Page 334: problems: 1, 2, 3, 4
• Page 344: problems: 1, 2, 3, 5
• Page 362: problems: 1, 5
• Page 383: problems: 5, 6