MATH 361 — HOMEWORK 8.

due on Friday, March 24.

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

Eighth Homework Assignment.

Reading:
• Read Sections 6.2, 6.4, 6.8. Review Multilinear Maps. Read your
  notes.

Exercises: Problems:
• Page 362: problems: 2, 3, 4, 6
• Page 383: problems: 12, 15, 18, 25