MATH 360 — HOMEWORK 11.

due on Friday, November 18.

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

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

Topics:
- Continuous Mappings
  - 4.6 Uniform Continuity
  - 4.7 Differentiation of Functions of One Variable

Eleventh Homework Assignment.

Reading:
- Read Section 4.7. Read your notes.
- You can find an even more general form (than we proved in class) of
  the Mean Value Theorem in Dieudonné (8.5.2 and 8.5.1).

Exercises:

Problem 1. Finish the proof we gave in class of the Chain Rule.

Problems:
- Page 203: problems: 1, 2, 4, 5
- Page 231: problems: 10, 12, 14, 21, 26, 29, 30, 37

The topics and page numbers are from the textbook.