MATH 360 — HOMEWORK 9.

due on Friday, November 8

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

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

Topics:

• Continuous Mappings
  – 4.1 Continuity
  – 4.2 Images of Compact and Connected Sets
  – 4.4 The Boundedness of Continuous Functions on Compact Sets
  – 4.5 The Intermediate Value Theorem

Ninth Homework Assignment.

Reading:

• Read Sections 4.2 and 4.4 paying attention to all the examples. Read your notes.

Exercises:

• Page 184: problems: 1, 3, 4, 5
• Page 191: problems: 1, 3, 4
• Page 231: problems: 1, 7, 10

The topics and page numbers are from the textbook.