

## MTH 254H: Homework 5

Due: October 6, 2017

1. Don't forget that Midterm 1 is on Thursday, October 5 in discussion section. It will cover through the end of lecture on Friday, September 29, that is, Sections 1.1-5 and 2.1-4 in Marsden and Tromba. There is a sample midterm online, which should be a good guide to the general style and difficulty of the exam. In addition to the usual office hour W 10-11, I will also be in my office to answer questions W 5-6.
2. Read Sections 2.5-6, 3.1 in Marsden and Tromba.
3. Do problems 2.3.1, 2.3.5, 2.3.10, 2.3.12, 2.3.22, 2.3.24, 2.4.2, 2.4.3, 2.4.7, 2.4.12, 2.4.17, and 2.4.24 in Marsden and Tromba.

Notes on homework prep:

- Several of the problems above are very quick; you're meant to have time left over to study for the midterm.