

Mathematics 4530
Assignment 2, due September 10, 2013

Munkres has a lot of good problems, too many to assign. Starting with this assignment, I will occasionally list [in brackets] some problems that you do not have to turn in. I would suggest that you at least read all the bracketed problems and do one or both of the following: (a) Draw a picture to make the result plausible. (b) Imagine what would be involved in writing out a rigorous solution, and convince yourself that you could do it.

Read Sections 13–17. Then do:

- pp. 83–84: 8
- pp. 91–92: [1], [3], 4, [9]
- pp. 100–102: [2], 3, [4], 5, 6, [7], [9], 13, 19, [20]