

## Math 131A-1: Homework 3

Due: April 15, 2016

1. Read Sections 7-9 in Ross.
2. Recommended but not required: Look at question 7.3 and decide if you expect each sequence to have a limit, and if so, what you expect that limit to be. [This is intended to build your intuition.]
3. Do problems 4.7, 4.11, 4.12, 4.14, 8.1(b), 8.2(d),(e), 8.5, 8.9, 9.1(b), and 9.3 in Ross.  
NB: We are not going to properly define the sine function in this class (you may see it in 131B). In 8.2(e), you can assume it works as you learned in your trigonometry course.
4. I will be out of town Wednesday afternoon – Friday of next week for a research commitment. Office hours next week will be M 9-10, T 4-5. I will also answer (brief) emails sent to me on Thursday.