Math 131A-1: Homework 3

Due: January 23, 2015

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 trig course.