Math 131A-1: Homework 10

Due: March 13, 2015

1. Read Sections 33 and 34 in Ross.

2. Do problems 31.4, 32.3, 32.7, 33.3, 33.4, 33.6, 33.8 and 33.13 in Ross.

   [Note 1: The hint in 32.7 seems to require you to use the fact that a sum of integrable functions f and g is integrable with $\int (f+g) = \int f + \int g$, which is a theorem in Section 33. You can either use this fact or do the problem directly.]

   [Note 2: 33.3 has a typo. The last point in the partition should be u_m, not c_m.]

3. The following are not to be handed in, but are suggested as practice on the material of the last lecture: Ross 34.2, 34.5, 34.7, and 34.8.