2018/2019 Semester 2   Math 4330/5330 Fourier Analysis   Assignment 4

Due Monday Feb. 11, 2019

1. Read Sections 1.6, 1.7, 1.8 up to but not including Prop 1.8.2, and Section 1.9 of the Stade book.

2. Do problems 1.3.11 on p. 23 (without sketching the graphs) and 1.5.2 on p. 35 of the Stade textbook.

3. Please do the following problems on p. 40 of the Stade textbook:
   1.6.4 part (a).

4. Do the following problems on p. 59 of the Stade textbook:
   1.8.1, 1.9.1, 1.9.2, 1.9.5.

5. If you are enrolled in Math 5330, do the additional problem (same book, same page) Try a modified version of Exercise 1.6.4 (b) on p. 40 of the text with $N = 5$ and $N = 7$ only.