2018/2019 Semester 2   Math 4330/5330 Fourier Analysis   Assignment 3

Due Monday Feb. 4, 2019

1. Read Sections 1.3, 1.4 and 1.5 of the Stade book. If you are enrolled in Math 4330, just read the statements, not the proofs of Lemma 1.4.1 and Theorem 1.4.1; if you are in Math 5330 skim the proofs too.

2. Please do the following problems on p. 22–23 of the Stade textbook: 1.3.2, 1.3.4, 1.3.7, and 1.3.13. In addition, do the following problems on pp. 35: 1.5.1 and 1.5.5.

3. If you are enrolled in Math 5330, do the additional problems (same book) p. 24: 1.4.1, 1.4.3; p. 36, 1.5.7.