

University of Colorado
Department of Mathematics

2008/2009 Semester 2

Math 4330/5330 Fourier Analysis

Assignment 10

Due Monday April 20, 2009

1. Read over Sections 6.1 and 6.2 and do problems 6.1.1 and 6.1.5 on p. 302 of the Stade textbook and problems 6.2.2, 6.2.3, and 6.2.4 (not using inversion) on p. 311 of the Stade textbook.
2. Read Sections 6.4 and 6.5 of the Stade textbook (you can skim the proofs) and do the following problems:
 - (a) 6.4.1, 6.4.3, and 6.4.8 on pp. 321–322 of the Stade textbook;
 - (b) 6.5.1 and 6.5.5 on p. 327 of the Stade textbook.
3. If you are enrolled in Math 5330, do problems 6.2.6 on p. 311 and 6.4.5 on p. 321 of the Stade textbook.