

University of Colorado  
Department of Mathematics

2008/2009 Semester 2

Math 4330/5330 Fourier Analysis

Assignment 5

**Due Monday Feb. 16, 2009 - If you want it graded by Monday, hand it in  
Friday Feb. 13.**

1. Please note your exam on Wednesday Feb. 18 will cover up to the material in this HW assignment. Many of the exam questions will be similar to both the graded and ungraded HW problems. Students will be allowed a 3"  $\times$  5" note-card in the exam to fill with formulas etc. of their choosing. No calculators will be allowed in the exam.
2. Reread Section 1.9 and read Section 1.10 of the Stade book.
3. Do the following problems on p. 59 of the Stade textbook: 1.9.3, 1.9.6.
4. Do the following problem on p. 65 of the Stade textbook: 1.10.2.
5. If you are enrolled in Math 5330, do the additional problem (same book, same page) 1.10.3.