

## 18.103 HOMEWORK #6

DUE FRIDAY, OCTOBER 21TH AT 3PM IN THE P-SET MAILBOX ON FIRST FLOOR  
OF BUILDING 2

### 1. READING AND PRACTICE

Read and review Chapter 1 of Real Analysis by Stein and Shakarchi.

### 2. EXERCISES TO BE HANDED IN

Do Exercises 8, 10, 13, 16, 22 in Chapter 1 of Real Analysis; Measure Theory, Integration, and Hilbert Spaces by Stein and Shakarchi.

### 3. EXERCISES FOR PRACTICE ONLY – NOT TO BE HANDED IN

Do Exercises 5, 6, 7, 12, 14, 17, 21, 28, 33 in Chapter 1 of Real Analysis; Measure Theory, Integration, and Hilbert Spaces by Stein and Shakarchi.