

**520 SPRING 2025 PROBLEM SET #7**

**Problem 1.** Chapter 2 exercise 11 in Stein and Shakarchi.

**Problem 2.** Chapter 2 exercise 12 in Stein and Shakarchi.

**Problem 3.** Chapter 5 exercise 9 in Stein and Shakarchi.

**Problem 4.** Chapter 5 exercise 11 in Stein and Shakarchi.

**Problem 5.** Chapter 5 exercise 13 in Stein and Shakarchi.

**Problem 6.** Chapter 5 exercise 14 in Stein and Shakarchi.

**Problem 7.** Chapter 8 exercise 3 in Stein and Shakarchi.

**Problem 8.** Chapter 8 exercise 4 in Stein and Shakarchi.