

**520 SPRING 2025 PROBLEM SET #6**

**Problem 1.** Chapter 5 exercise 6 in Stein and Shakarchi.

**Problem 2.** Chapter 5 exercise 7 in Stein and Shakarchi.

**Problem 3.** Chapter 5 exercise 8 in Stein and Shakarchi.

**Problem 4.** Chapter 5 exercise 15 in Stein and Shakarchi.

**Problem 5.** Chapter 5 exercise 17 in Stein and Shakarchi.