

18.100C. Problem Set 6

Due date: April 11 (Tuesday) in recitation or in my office before 3 on due date. Late homeworks will be accepted only with a medical note or for some other MIT approved reason. You may work with others, but the final write-up should be entirely your own and based on your own understanding.

Each problem is worth 10 points.

Problem 1: Rudin: Chapter 5, ex. 2.

Problem 2: Rudin: Chapter 5, ex. 14.

Problem 3: Rudin: Chapter 5, ex. 15 (without the question about vector-valued functions).

Problem 4: Rudin: Chapter 5, ex. 22.

Problem 5: Rudin: Chapter 5, ex. 24.

The following problems are recommended for additional practice. They should *not* be turned in with the homework and they will not count towards the homework score. Chapter 5: 1, 4, 6, 12, 26.