MATH 2050B Mathematical Analysis I
2023-24 Term 1
Problem Set 9
due on Nov 24, 2023 (Friday) at 11:59PM

Instructions: You are allowed to discuss with your classmates or seek help from the TAs but you are required to write/type up your own solutions. please do NOT come to campus to submit your completed assignments. Instead, you can either type up your assignment or scan a copy of your written assignment into ONE PDF file and submit through Gradescope on/before the due date. Please remember to write down your name and student ID. **No late homework will be accepted.** All the exercises below are taken from the textbook.

Required Readings: 5.1, 5.2

Optional Readings: none

Problems to hand in

Section 5.1: Exercise # 4 (b), 9, 12

Section 5.2: Exercise # 6, 15

Suggested Exercises

Section 5.1: Exercise # 1, 2, 3, 4, 5, 8, 9, 10, 11, 13, 14, 15

Section 5.2: Exercise # 1, 2, 3, 4, 5, 7, 8, 11

Challenging Exercises (optional)

1. Section 5.2: Exercise # 9, 12, 13, 14