

**MATH 2050B Mathematical Analysis I**

**2023-24 Term 1**

**Problem Set 1**

*due on Sep 15, 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. 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:** Chapter 2.1

**Optional Readings:** none

**Problems to hand in**

Section 2.1: Exercise # 2, 6, 18, 22

**Suggested Exercises**

Section 2.1: Exercise # 1, 4, 7, 8, 10, 11, 12, 16, 19, 20, 23, 25

**Challenging Exercises (optional)**

Section 2.1: Exercise # 9, 21