

MATH 2050C Mathematical Analysis I

2022-23 Term 2

Problem Set 9

due on Mar 31, 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 4.1

Optional Readings: none

Problems to hand in

Section 4.1: Exercise # 7, 9(c), 10(b), 12(d)

Suggested Exercises

Section 4.1: Exercise # 3, 4, 5, 6, 8, 9, 10, 11, 12, 13, 14, 15

Challenging Exercises (optional)

1. Section 4.1: Exercise # 16, 17