

MATH 2050B Mathematical Analysis I

2023-24 Term 1

Problem Set 0

(no need to hand in)

Instructions: This serves as a quick review of the preliminary knowledge that you are assumed to know before taking this course. Please read Chapter 1 and Appendix A, B of the textbook by yourself. Although you are not required to hand in this assignment, you are supposed work out the following exercises to get yourself prepared for the course. Most (if not all) of these materials should be already covered in MATH 1050/1058. You can refer to the course materials of MATH 1050/1058 if you need to review the relevant concepts.

Required Readings: Ch. 1

Optional Readings: Appendix A and B

Selected Problems

All the exercises below are taken from the textbook.

Section 1.1: Exercise # 3, 4, 5, 7, 10, 11, 12, 13, 14, 15, 16, 19, 20, 22, 23, 24

Section 1.2: Exercise # 1, 2, 6, 9, 13, 14, 15, 16, 18, 20

Section 1.3: Exercise # 4, 5, 6, 8, 9, 12, 13