THE CHINESE UNIVERSITY OF HONG KONG
Department of Mathematics
MATH2040A (First Term, 2022-23)
Linear Algebra II
Homework 6
Due Date: Friday 28th October 2022

All problems are selected from the textbook. You need to <u>hand in</u> your answers to the **Compulsory Part only**. Some of the problems in the Optional Part may be discussed in the tutorials. Submit your answers **in a single PDF file** **online via Blackboard**. The late submission will not be accepted. Reference solutions to both parts will be provided after grading.

Compulsory Part

Sec 5.1: 2(e)(f), 8(a)(b), 10, 20.

Sec 5.2: 3(a)(e)(f), 8, 12.

Optional Part

Sec 5.1: 1, 3(c)(d), 17, 21.

Sec 5.2: 1, 10, 11, 17, 18.