THE CHINESE UNIVERSITY OF HONG KONG
Department of Mathematics
MATH2040A (First Term, 2022-23)
Linear Algebra II
Homework 1
Due Date: Friday 16th September 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. 1.2: 8, 13, 17, 18, 21.

Sec. 1.3: 10, 11, 17, 19, 22.

Optional Part

Sec. 1.2: 1, 14, 15, 20.

Sec. 1.3: 1, 8, 23, 28, 30, 31.