

THE CHINESE UNIVERSITY OF HONG KONG  
Department of Mathematics  
MATH2040A (First Term, 2022-23)  
Linear Algebra II  
Homework 8  
Due Date: Friday 11th November 2022

All problems are selected from the textbook. You need to hand in 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 6.1: 11, 12, 17, 18, 22.

**Optional Part**

Sec 6.1: 1, 8, 19, 20, 21, 23.