

**THE CHINESE UNIVERSITY OF HONG KONG**  
**Department of Mathematics**  
**MATH 2040A (First Term, 2021-22)**  
**Linear Algebra II**  
**Homework 5**  
**Due Date: Friday 15th October 2021**  
**Updated Due Date: Friday 22th October 2021**

All problems are selected from the textbook. You only need to hand in your answers to the Compulsory Part. Some of the problems in the Optional Part may be discussed in the tutorials. Submit your papers to the assignment box located at the 2nd floor of LSB, and do NOT submit them via Blackboard.

**Compulsory Part**

Sec 2.2: 3, 5, 10, 13, 14.

Sec 2.3: 3, 4, 17.

**Optional Part**

Sec 2.2: 1, 2, 9, 11, 16.

Sec 2.3: 1, 11, 12, 13, 16.