

THE CHINESE UNIVERSITY OF HONG KONG  
Department of Mathematics  
MATH2040A&B - Linear Algebra II - 2024-25 Term 2

Homework 8  
Due: 8 November 2024 (Friday 11:59pm)

All problems are selected from the textbook: *Friedberg, Insel and Spence, Linear algebra, 4th edition, Pearson*. You need to hand in your answers of the **Compulsory Part only**. 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 the grading process is completed.

**Compulsory Part**

Sec 5.4: 4, 6(b), 6(d), 13, 17, 23.

**Optional Part**

Sec 5.4: 1, 15, 16, 18, 19, 24, 25.