## MAT730 PROBLEM SHEET 3

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## Last Date of Submission. 12 October, 2025

**Instructions.** Please read the instructions on the course website carefully before submitting your solution(s).

## Questions.

- (1) Exercise 1.13.18.
- (2) Exercise 2.12.2.
- (3) Exercise 2.12.4.
- (4) Exercise 2.12.7.
- (5) Exercise 3.12.1.
- (6) Exercise 3.12.2.
- (7) Exercise 3.12.5.

Date: 23 August 2025.