

Homework #1: Due at noon, Thursday, Sep 8

Problems are taken from the exercises in the Hughes-Hallett textbook. Read through the text before working on the problems, and please make use of office hours provided by the teaching staff if you find them difficult. Submit your homework either to your instructor during lecture or to your TA during recitation or at their office. Late homework assignments will not be accepted.

Problems

Write up these problems neatly and submit them by the due date above. Show your work where appropriate for full credit. If your homework solutions require multiple pages, please staple them together.

- Section 1.1: 8, 10, 12, 14, 16
- Section 1.2: 2, 8, 10, 12, 16, 24, 26
- Extra Problem #1: Find the value of a so that the line $y = 1 + ax$ goes through the point $(2, 5)$.
- Extra Problem #2: Find the value of b so that the line $y = b - 2x$ goes through the point $(1, 3)$.

Exercises

Attempt these problems, but do not submit your solutions to be graded. The exams may include problems similar to these ones.

- Section 1.1: 3–7, 15, 17–19, 23
- Section 1.2: 3–6, 13, 17–19, 25, 27