

Homework #10: Due Tuesday, Nov 22, at 5 pm

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 or the Math Learning Center 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 5.1: 4, 6, 8, 12, 14
- Section 5.2: 2, 6, 10, 18, 22, 30
- Notes: On 5.2.22, evaluate the integral using the `fnInt` function (available through $\boxed{\text{MATH}} \boxed{9}$) on a TI graphing calculator, or through another computation system. On 5.2.30, the sums should cover the interval from $t = 15$ to $t = 23$.

Exercises

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

- Section 5.1: 1–3, 5, 9–11, 15–17
- Section 5.2: 1, 3, 7–9, 13–15, 17, 23–27