

# Math 102, Spring 2025 — Homework 2

Tim Chumley

Due February 14 at 5:00 pm

**Instructions.** This problem set contains problems from Week 2 of class. The problem numbers refer to our textbook, *Calculus*, by Hughes-Hallett et al, 7th edition.

**Problem 1.** Please do the following textbook problems:

- Section 7.1: 12, 16, 18, 28, 32, 38, 44, 60, 64, 66
- Section 7.2: 8, 10, 12, 14, 24, 32, 38, 52 (*In 32 and 38, try using substitution before doing integration by parts*)

**Problem 2.** If you liked the problems above or want more practice, our textbook has more great problems. The odd-numbered ones have solutions in the back. Here are some that I recommend (as optional, not to be turned in):

- Section 7.1: 3-43 odd, 59-65 odd
- Section 7.2: 13-47 odd

Feel free to try others, including the problems in the main sections, which include full explanations.