

# Math 102, Spring 2025 — Homework 9

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Due April 25 at 5:00 pm

**Instructions.** This problem set contains problems from Weeks 11 and 12 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 9.4: 114, 116, 117
- Section 9.5: 12, 16, 18, 28, 30, 32, 34

**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 9.4: 119-134 odd
- Section 9.5: 11-23 odd, 27-33 odd

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