

# Math 32A - HW 3

October 12, 2025

## 1 Preamble

This is the third weekly problem set in Math 32A, it will be due by the end of the day (11:59 PM) Monday October 20, 2025 via gradescope.

## 2 Problems

The homework is to complete the following problems from *Calculus, 4th ed.* by Rogawski, Adams, and Franzosa.

1. Section 12.1: Problems 28, 33, 61, 62
2. Section 14.1: 11, 22, 34, 44, 46
3. Section 14.2: 5, 26, 36, 38

### 2.1 Optional Problems

Below are some optional problems to test your ability to apply the material a bit beyond the contexts we've discussed in class. They will not be part of your grade, but you may find them interesting to think about.

1. Section 12.1: 108, 109
2. Section 14.1: 51
3. Section 14.2: 71, 72