

# MATH 152, HOMEWORK #4

## DUE THURSDAY, SEPTEMBER 15

Remember, consult the Homework Guidelines for general instructions. All problems listed by section and exercise number are from our textbook. Show complete work – you may use Desmos or a similar program to make graphs, but you need to show the work to find intersection points, etc.

### **GRADED EXERCISES:**

1. Section 1.5, Exercise 2.
2. Section 1.5, Exercise 3.
3. Section 1.5, Exercise 4.
4. Section 1.5, Exercise 8.
5. Section 1.5, Exercise 9.
6. Section 1.6, Exercise 3.

**MATH JOURNAL** – please submit on a separate page (not stapled to the rest of the homework), as this will go directly to Kelli, not the grader. Choose ONE of the following and write 1-3 paragraphs (no more than one page, please).

- What are your thoughts on using technology (e.g. programs like Desmos) to help solve multipart problems? How do you find balance, making sure that students are not totally reliant on the technology, but also not spending an absurd amount of time on a single problem?
- Reflect on any math education topic you have been thinking about. E.g., a really nice technique for teaching an idea, a situation working with a struggling student and how you handled it or wish you'd handled it, general insights on connecting with students, etc.

### **UNGRADED HOMEWORK:**

Section 1.4, fix the errors in Example 1 on page 43.

Section 1.5, Exercises 1, 5, 6, 7, 10.

Section 1.6, Exercises 1, 2.