

MATH 152, HOMEWORK #5

DUE THURSDAY, SEPTEMBER 22

Remember, consult the Homework Guidelines for general instructions. All problems listed by section and exercise number are from our textbook.

GRADED EXERCISES:

1. Section 2.1, Exercise 9. In particular, do not assume the quadratic formula.
2. Section 2.1, Exercise 11.
3. Section 2.1, Exercise 16. (As with Exercises 14 and 15, this should use quadratic methods.)
4. Section 2.1, Exercise 19.
5. Section 2.3, Exercise 8.
6. Section 2.3, Exercise 12.

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).

- Do you have any favorite tricks/techniques for helping students who are learning about quadratic functions and parabolas?
- 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 2.1, Exercises 2, 3, 4, 5, 7, 8, 14, 15, 17, 20, 21

Section 2.2, Exercises 3, 4, 5, 7

Section 2.3, Exercises 1, 3, 5, 6, 7, 9, 10, 11