

MA 15800 Final Exam Memo/Preparation

Final Exam – Tuesday, December 10

3:30pm – 5:30pm (2 hour exam)

Elliott Hall of Music (8:30 Section)

EE 129 (1:30 Section)

Do not plan to leave campus early!

A couple of notes:

- **The final exam is comprehensive.** The exam will cover types of problems and concepts from the entire semester. Slightly more than one-third of the final exam will cover the topics from when we started trigonometry in section 6.1 to the end of the semester, so there is a slight emphasis on the later and latest material covered in the course.
- **There are 30 multiple-choice questions** on the final exam.
- **Formulas** for the final exam will be posted on the MA 15800 course webpage (www.math.purdue.edu/MA15800).
- **Bring your PUID** to the final exam.
- **Arrive 10-15 minutes early** to get to your assigned seat.

Suggested preparation for the final exam:

1. **The homework problems listed on the Assignment Sheet for the entire semester is your best guide to what could appear on the final exam.** I would look at every homework problem listed on the Assignment Sheet (bold and unbold) and start working some of the odd problems near those problems. Most students will not have to work many of certain types of problems, so based on what you personally know and do not know, pick and choose what sections you most need to focus on. (NOTE: using “Practice Another Version” in WebAssign is something you can also use to rework some of the earlier homework problems).
2. On the course webpage you will find a set of practice questions for the final exam. These are multiple choice problems that are good to go through at some point.
3. The old exams on the course webpage are also good to practice.
4. Review problems from the book. Most of the review problems at the end of the chapters are applicable and the answers (both even and odd) to those problems are in the back of the book. Below are lists of problems listed on previous exam memos, as well as problems that cover material since Exam 3.

p.205 #23, 24, 26, 43, 45, 47, 51, 54, 57, 61, 63, 64, 65, 69, 73, 77, 84, 89

p.272 #3, 5, 9, 27, 29, 30, 31, 32, 33, 34, 35, 39, 40

p.342 #2, 5, 7, 9, 11, 14, 17, 21, 23, 25, 27, 29, 33, 43, 45, 46, 48, 53, 56, 57, 59, 63, 64, 69, 73

p.433 #1, 2, 3, 5, 7, 9, 11, 13, 21, 22, 23, 29, 32, 35, 36, 39, 40, 42, 46, 47, 57, 59, 61, 62, 66, 67, 69, 70, 72

p.496 #22, 29, 41, 42, 43, 51, 53, 54, 55, 56

p.648 #1, 2, 3, 4, 5, 9, 59, 60, 61, 62, 63, 64, 65, 67

p.792 #42, 43, 44, 45, 46, 48, 49, 50, 54, 55, 56, 59, 60