MA 15200X Exam 3 Memo
Exam 3: During Regular Class Time (6:00 – 7:00)
Tuesday, April 19th, 2011
LOCATION: Regular Classroom

Please Note: Only a TI- 30XA calculator may be used at the exam. If you bring any other calculator, you will not be allowed to use it and may have to complete the exam without a calculator. You are responsible to know how to use this calculator. Your instructor will not explain at the exam how to do any operations on the TI-30XA. You may not share a calculator with another student. (If a friend loans you his/her calculator once he/she is finished with the exam that is fine.) Your instructor may not loan calculators to students. <u>If any student is caught using an unapproved calculator; the exam will be collected and the score will not count. The student will be asked to see the course coordinator the next day.</u> (Not all TI-30 calculators are XA models.)

1) Exam 2 covers sections 2.3, 2.4, 2.6, 2.7, part of 2.8, 3.7, 4.1, 4.2, 4.3, 4.4, 5.1, lesson 30, and appendix G. This is the material covered in **lessons #23 through 35**. Lesson 36 will not be included on the exam, although this lesson will take place prior to the exam.

2) There are fifteen multiple-choice problems on the exam. The exam will be machine graded. No partial credit will be given. You will be allowed 60 minutes to take the exam.

3) The exam is self-explanatory. No questions will be allowed unless a student believes there is a typographical or printing error.

4) **Reviewing/Studying for Exam:**
The following are **appropriate review problems**. These problems are found in the textbook in the chapter review exercises at the end of chapters 2, 3, 4 and 5 plus appendix G. The answers are provided at the back of the book. Answers to Appendix problems are provided at the end of this memo. I cannot give you any more problems of the types used for lesson 30.

- Chapter 2 Review, p. 306: 32, 34, 36, 38, 39, 41, 42, 43, 44, 71, 72, 74, 76, 79, 80, 81, 82, 83, 84, 85, 86, 87, 89, 90, 94, 102, 104, 105
- Chapter 3 Review, p. 408: 77, 79, 81, 82
- Chapter 4 Review, p. 475: 11, 12, 15, 18, 19, 20, 21, 22, 23, 24, 27, 28, 30, 44, 46, 48, 51, 52, 56, 57, 58, 60, 61, 62, 64, 65, 68, 69, 70, 74, 76, 78, 79
- Chapter 5 Review, p. 549: 1, 3, 4, 6, 7, 9, 10
- Appendix G (back of book): 3, 12, 20, 24, 28, 30, 34

There are also chapter tests at the end of each chapter. You may practice some of those problems as well. The answers are in the back of the book. To view a video of each problem in the chapter test, click on the chapter contents link in CourseCompass, select chapter 1 or 2, scroll down to the chapter test, click on it. Each problem has a video. These videos are also found on a video CD purchased with the textbook. There are no chapter tests available for the Appendix sections.

It is recommended that you re-work **all** homework problems. You could work the corresponding problems from the textbook. (See assignment sheet.) Don't forget to look at the bold print problems from the assignment list. You may also practice more problems through the study plan link in coursecompass. Problems correspond to those found in the textbook. Select a chapter, then lesson, then a problem. It is just like working a homework problem, but the score does not affect your online homework score.

To review and re-try the online problems, go to your gradebook in CourseCompass, click on the word 'review' in blue for an assignment. Once you select a problem, you may have to click on 'similar example' in order to generate a different problem.

5) Students need to know the **formulas** for the perimeter and area of a rectangle or square, the simple interest formula, the distance formula d = rt, the midpoint formula, the slope formula, slope-intercept form, point-slope form, standard or general form, the variation formats, and the properties of logarithms. The quadratic formula, the formula for distance between two points, the standard form of a circle, the compound interest formulas, and any other necessary formulas (such as those used for lesson 30) will be provided.

6) **Exams from previous semesters** are available through a link on the web page. These are good for review purposes, but not a guarantee of what will or will not be on the exam. Do not use these past exams as your only means of studying. Review homework problems and quiz problems. **You should understand that some exam problems, such as those on past exams, may be more difficult for students than the ones on the online homework. You should examine how some of these problems are written.** Note: Some past exams 2 may have some problems that include topics on this exam. Our exam 3 includes some lessons that **may not** be included on any of the previous 'old' exams.

7) Students must bring a **PHOTO ID** with them to the exam, preferably your Purdue ID. It is recommended that students do not arrive late to class. The exam begins promptly and if you are late, you may not have a total of 60 minutes for the exam. A lesson will be covered during the evening, along with the exam.

8) No one will be allowed to leave the room for the first 20 minutes of the exam. Students arriving after 20 minutes after the exam began will be allowed to take the make-up or alternate exam. If they arrived late for a non-valid reason, a grade penalty will be applied.

9) Your instructor will describe where you will be seated and will assign seats.

10) Bring with you the following: pencils, erasers, a TI-30XA calculator and Purdue ID. **Do not bring scratch paper. Turn your cell phone off; or better, do not bring it. Do not wear hats or tinted glasses (sunglasses).** Book bags, totes, or purses should be closed and on the floor during the exam.

12) A student must contact the course coordinator, Owen Davis, in MATH 812 (**odavis@math.purdue.edu**) IMMEDIATELY, if some emergency prevents him/her from taking the exam. You must see Owen in person ASAP to arrange to take the alternate exam.

REMINDER: NO books or notes are allowed on this exam.

If you have an academic conflict with the evening exam, you must let the course coordinator (Owen Davis, Office MATH 812, odavis@math.purdue.edu) know, no later than two business days (Friday, April 15th) before the exam takes place If you have an emergency situation that will prevent you from attending this evening exam you must contact the course coordinator in person if possible. Do send an e-mail message if you cannot contact in person, but follow-up as soon as possible. For non-valid reasons, a make-up *may* be allowed with a grade penalty. Not knowing the right date, time, or location of an exam is NOT a valid reason for missing it.

Answers to Appendix Review Problems
Appendix G

3) length: 78 ft., width: 36 ft.
12) London: $445, New York: $403
20) 6 L
24) $10,000 at 4%, $5000 at 3%
28) freight train: 50 kph, express train: 80 kph
30) plane: 600 mph, wind: 50 mph
34) cappuccino: $2.79, house latte: $2.99