MA 15400, Fall 2014, Exam 3 Information

- Exam 3 is on Monday, April 13th, starting at 6:30 PM in the Hall of Music, Main Floor. You should be allowed into the Hall by 6:15 PM. Plan to arrive early so you can settle in your seat and calm down before the start of the exam.

- You will have 60 minutes to complete the exam.

- Your seat assignment will be emailed to you. Please know your seat assignment before arriving at the exam site.

- **Calculator**: A single-line TI-30XA calculator is allowed for the exam. Please look to the left and see the ONLY calculators you are allowed. If you have the wrong calculator, you will only have your fingers and toes to assist in answering the questions.

- During the exam, do not ask the instructor or a proctor any questions unless you think there is a typo. It is not fair to give you a hint unless the same hint is given to all of the students.

- The exam consists of 15, multiple-choice questions covering Lessons 23 through 32. You will fill in an answer sheet and leave the exam site with your exam. Your answer sheet will be the only thing graded. Answer every question. Each question is worth the same amount of points. There is no partial credit.

- See attached cover page for formulas that will be provided to you.

- Previous exams are available at the course web site. Not every problem on the exam will be just like a problem from an old exam. The number of lessons covered on each exam varies from semester to semester. Old exams are a good guide, however, to be careful.

- If you have a valid schedule conflict with the exam time, see Tim Delworth by Thursday, April 9th, in his office, Math 814. You can also email him at delworth@math.purdue.edu. Do not assume an excuse is valid until you hear from Tim.

- If you miss the exam for a last minute emergency, contact Tim Delworth immediately.

- Students with valid reasons for missing an exam will be given the makeup exam without a grade penalty. Students with non-valid reasons for missing the exam will be given the makeup exam with 20 points being deducted from their score. All conflicts are confirmed.

- **20-minute rule:** Students are not allowed to leave the exam site for the first 20 minutes of the exam. Students arriving after the first 20 minutes will not be allowed to take the exam and will sign up for the alternate exam. For a valid reason, no grade penalty will be assigned; however, for a non-valid reason, there will be a 20 point penalty.

- Bring a picture ID to all exams. Everyone will have their ID checked. If you forget, it will take you a long time to get home as we will be asking for a blood sample to match DNA.

- A few hours after the exam, the exam answers will be posted on the course web page.

- A few days after the exam, exam scores will be posted in the grade book in Blackboard.

- The Course Grading Scale is available in the Syllabus.

   Exam 3 Review Problems: Page 494; 53, 54, 55, 56, 61, 62, 64
   Page 557; 1-8, 11-16, 19, 41, 42, 43

This is a good sampling of problems to go over in class before the exam.

Please print off and bring the posted Exam 3s, from the course web page, for review.

MA 15400   Exam 3   Spring 2015

Name: _____ PUID _____

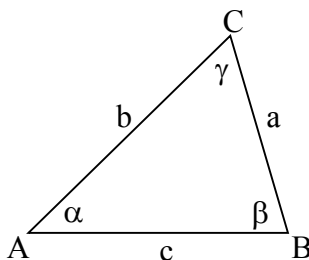| ClassTime/Day	Section	Instructor	Room
MWF 8:30 am	0021	Delworth, Tim	SMITH 108
Online	0004	Delworth, Tim	

Instructions:

♦ You must use a #2 pencil on the answer sheet.

♦ On the answer sheet, fill in: (This has to be correct to find your score online.)
   a) Your last name, first name and middle initial and blacken the appropriate spaces.
   b) Your section number and blacken the appropriate spaces.
   c) Your 10-digit student identification number and blacken the appropriate spaces.
   d) Fill in the test/quiz number with **0X** and blacken in **0X.**
   e) Sign your name at the bottom of the answer sheet.

♦ Make sure that the cover of this exam matches the color of your answer sheet. If you are color blind, ask the person sitting next to you for assistance.

♦ There are 15 questions. On the answer sheet, blacken your choice of the correct answer in the spaces provided for questions 1-15. Do all of your work on the question sheets. Turn in the answer sheet when you leave and keep the question sheets. Only the answer sheet will be graded. Do not walk out of the Hall without turning in your answer sheet!

♦ All questions are worth the same. Please answer every question. No points will be deducted for wrong answers, so why would you not answer every question?

♦ A TI-30 XA, one-line calculator may be used. No other calculator is allowed.

♦ Besides your calculator, all other electronics devices must be turned off and out of sight.

♦ No books or papers are allowed. You cannot bring in a unit circle or a formula sheet.

♦ The exam is self-explanatory. Do not ask questions about any of the exam problems unless you feel there is a typo.

♦ Exam answers will be posted on the MA 15400 course web page about two hours after the exam. Exam scores will be posted in the grade book in WebAssign about two day after the exam. Please check your exam score online before the next exam. The posted score is the official score. If you feel there is an error, contact Tim Delworth, delworth@math.purdue.edu

$$\frac{\sin\alpha}{a} = \frac{\sin\beta}{b} = \frac{\sin\gamma}{c}$$

$$a^2 = c^2 + b^2 - 2cb\cos\alpha$$

$$b^2 = a^2 + c^2 - 2ac\cos\beta$$

$$c^2 = a^2 + b^2 - 2ab\cos\gamma$$

$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$

$$\sin(2u) = 2\sin u \cos u$$

$$\cos(2u) = \cos^2 u - \sin^2 u$$

$$\tan(2u) = \frac{2\tan u}{1 - \tan^2 u}$$