MA 15910 Exam 3 Memo
Thursday, April 7th
6:30 PM (notice earlier time) in RHPH 172
(plan on arriving about 15 minutes early to find your assigned seat)

1) Exam 3 covers lessons 18 - 25. It covers parts of these sections from the second half (calculus part) of the textbook: 2.4, 2.5, 4.3, 4.4, 4.5, 5.1, 5.2, and 5.3.

2) There is no partial credit on this exam, since it is multiple-choice. **Students will bubble in answers on an answer sheet (scantron sheet) as well as circle the answers on the actual exam.** Only the answer sheet (scantron) will be collected. Students will take the exam questions with them as they leave the exam and may check their answers after the answers are posted later that evening on the MA 15910 web page (www.math.purdue.edu/MA15910).

3) The exam is self-explanatory. No questions will be allowed unless a student believes there is a typographical or printing error. Instructors/proctors cannot give algebraic, calculator, or arithmetic help during the exam. You must know how to use your TI-30XA or TI-30Xa scientific calculator. Most likely, no calculators will be provided for students who forget to bring a calculator.

4) **Reviewing/Studying for Exam:**
   It is recommended that you re-work **all** homework problems. (Use the study plan in MyMathLab or the Review link from the MyMathLab gradebook.)
   There is also a review worksheet for exam 3 provided on the web page.
   These additional problems from the textbook could be used for review:
   From the 2nd half of the text (calculus part)
   Chapter 2 Review Exercises (page 113): 5, 7, 9 – 14, 16, 18, 43, 51, 53, 55 – 66, 67, 69, 71, 73, 75, 81, 82, 88, 89, 91, 93, 95, 101, 103, 116
   Chapter 4 Review Exercises (page 244): 6, 23, 25, 27, 29, 31, 33, 35, 37, 39, 43, 57, 59, 61, 77, 84 (a,b), 89
   Chapter 5 Review Exercises (page 297): 1, 2, 4, 6, 7, 17, 19, 21, 25, 29, 33, 35, 37, 63 (a – c), 64 (a – c)
   There is a link on the web page to past exams (exam archive). I have made available the last three semesters' exams. There is also a review worksheet for exam 3 found on the web page under 'other information', worksheets. (For the 'old' exams: You may want to view old exams 1, 2, or 3. Each semester the beginning and ending lessons for each exam are different. There may be some problems on old exams 1 or 2 that may be used to help you prepare for this exam. (See directly below.)

   You may want to examine these questions from the 'old exams'.
   SP 15 Exam 2: 12, 14, 15
   FA 15 Exam 2: 10, 13, 14, 15

5) Students need to know the **formulas** for the perimeter and area of a rectangle or square; the formula for volume of a cube or rectangular prism (box), the distance formula ($d = rt$), and the simple interest formula ($I = prt$). They also need to know how to find an average rate of change. Students need to know how to use basic derivative rules, find derivatives of products or quotients, derivatives of functions that include the natural exponential or natural logarithmic functions, and use the chain rule. Students need to know how to make a first derivative sign chart or a second derivative sign chart and interpret the results. Any other needed formulas will be provided (including the quadratic formula, slope formula, compound interest formulas, area of a triangle, and formulas for lines).

6) Students <u>must bring a</u> **<u>PHOTO ID with signature</u>** to the exam, preferably your Purdue ID. It is recommended that students arrive at least 10-15 minutes prior to the start of the exam. (This will allow you time to find your assigned seat.) The exam will be timed and you cannot work past the 60 minute time limit.

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

8) Your instructor will describe where you will be seated and will assign seats. **You are to sit in your assigned seat**. Seat assignments will be given approximately a week before the exam. Your instructor will give you your assigned row/seat in RHPH 172. Seat assignments *may* be sent to students via email. Your instructor may write your assigned row/seat on a returned paper. Note: Students will be closely seated and therefore monitored closely, Keep your eyes on your own work/papers.

9) **Bring with you the following:** <u>pencils, erasers, a TI-30XA or TI-30Xa scientific calculator, and Purdue ID</u>. **Do not bring scratch paper. *If you have any doubt that you have a correct calculator, please ask your instructor to look at your calculator prior to the exam.* No other types of calculators will be allowed during the exam. 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 away from you during the exam.

10) A student must contact the course coordinator, Charlotte Bailey, in MATH 802 (496-3145 or baileycm@purdue.edu) IMMEDIATELY, if some emergency prevents him/her from taking the exam. You must see Charlotte in person ASAP to arrange to take the alternate exam. Alternate exams are only allowed for documented reasons.

REMINDER: <u>No textbooks or notes are allowed on this exam. You must use only a TI-30Xa or TI-30XA calculator.</u>