

MA 22000 Exam 3 Memo
Exam 3 evening exam
Monday, April 15th

8:00 PM in PHYS 114 (plan on arriving about 15 minutes early to find your assigned seat)
Assigned Seats will be given to students (written on a returned quiz paper) or via the course web page.

- 1) Exam 3 covers lessons 19 - 30. This includes parts of the following section from the first half (algebra part) of the textbook: 12.4. It also includes parts of these sections from the second half (calculus part) of the text: 2.4, 2.5, 3.1, 4.4, 4.5, 5.1, 5.2, 5.3, 5.4, 6.1, and 6.2 (part 1). This material is found in lessons 19 through 30.
- 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.** (If you circle your answers, you can self-grade your exam later after the answers have been posted on the web page.)
- 3) The exam is self-explanatory. No questions will be allowed during the exam unless a student believes there is a typographical or printing error. Instructors/proctors cannot give algebraic, arithmetic, or calculus help during the exam.
- 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.) Remember: re-working the problems using the review link from the gradebook will not change your score.
These additional problems could be used for review:
From the 1st half of the text (algebra part),
Chapter 12 review (page 796): 48, 49, 51, 53, 55
Section 12.4: (page 785): 15, 19, 21, 23, 25
From the 2nd half of the text (calculus part)
Chapter 2 review (page 113): all 11 – 16, 29, 51, 53, 55, 57, 59, 61, 63, 65, 67, 69, 73, 75, 79, 81, 82, 89, 91, 93, 103, 107 (b)
Chapter 3 review (page 188): 31, 32, 33
Chapter 4 review (page 243): 31, 33, 35, 37, 41, 43, 60
Chapter 5 review (page 297): 17, 19, 21, 27, 29, 31, 33, 35, 37, 39, 41, 43, 47, 49, 63 (a-d), 64
Chapter 6 review (page 350): 11, 13, 17, 45
- 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 ($d = rt$), the simple interest formula ($I = prt$). Students also need to know the change of base formula, the perimeter or area of a rectangle, the volume of a box, the derivative rules for natural exponential and natural logarithmic functions. Students need to know how to convert between logarithmic and exponential forms; how to use the properties of logarithms to ‘expand’ or ‘condense’. The quadratic formula and the compound interest formulas will be provided.

- 6) There are a few previous exam 3 from the math department archive available for study. To access these exams, click on 'past exam archive' on the right side of the web page (www.math.purdue.edu/MA22000), use the 'drop-down' menu to select MA 220 and select 'submit query'. (Answers are available.) I will also try to post these exams on the web page.
- 7) Students must bring a PHOTO ID with them 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 75 minute time.
- 8) 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.
- 9) 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.
- 10) Bring with you the following: pencils, erasers, a one-line scientific calculator, and Purdue ID. **Do not bring scratch paper.** *If you have any doubt that you have an approved one-line scientific 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 or under desk during the exam.
- 11) 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: No textbooks or notes are allowed on this exam. You must use only a 1-line scientific calculator, such as a TI-30XA.