

INFORMATION ABOUT THE MATH 223 FINAL EXAM SPRING 2008

PROCEDURES

- The final exam is on Monday, May 12 from 2:00 – 4:00 pm. Do not be late. You will not be given additional time if you arrive after 2:00 pm. We recommend arriving 15 minutes early.
- If you will be using DRC testing accommodations, you should arrive 15 minutes early to the testing room at DRC.
- Bring your graphing calculator. Any model is allowed on the final exam. You will not be allowed to borrow or share a calculator.
- Bring a picture ID.
- The final exam is not given in your usual classroom. You will find the room assignments at <http://math.arizona.edu/~courseinfo/common/#examlocations>. You will not be allowed to take the final in a room other than the one assigned to your section.
- Because several sections will be in the same room, students in each section will need to sit together. Additional directions will be given at the test site.
- All cell phones and electronic devices such as PDAs must be turned off during the exam. Vibrate or silence modes are not allowed.
- You will not be allowed to leave the exam room until 3:00 pm.

ABOUT THE EXAM

- There are 17 questions on the final exam. Eight questions are short answer to be graded without partial credit, the rest are longer questions.
- The exam includes flux integrals, line integrals, and the theorems of Chapter 20. There are also problems from earlier in the course.
- There are no flux integrals that require parameterization in cylindrical or spherical coordinates.
- There is no more than one line integral and no more than one flux integral that must be calculated directly by parameterization. The other line and flux integrals can be done geometrically or by using the theorems.
- If you compute an integral by parameterization when it is not needed and you get the problem right, you will get credit. But past exams have shown that this is a risky approach.
- Answers should be given in exact form. For example: don't write 0.693 if your answer is $\ln 2$. If your answer is $\cos(\pi/4)$, you should write $\sqrt{2}/2$ or $1/\sqrt{2}$.
- There are no formulas given on the exam. No notes are allowed.
- The usual table of integrals will be provided.
- The point values for the problems appear on the cover. Points add to 100. Your instructor will double the points for your final exam score.
- A final exam review packet provides additional problems for practice. Answers are also provided for your convenience. <http://math.arizona.edu/~calc/>