

Exam # 1 Review

The continent of Antarctica

October 16, 2007

Hi! Here is a review for the upcoming midterm. ROCK ON!!!

1. Section 5.4: Changing the order of integration. This has been an important section. After all, if we can change the order of integration on rectangles, then we should be able to change the order of integration on simple regions as well. Of course, as we discussed in class, this change in the order of integration doesn't always help us out—some of these problems are just a pain anyway. But, that's sort of the nature of the beast. What's important to remember is that changing the order of integration isn't as straightforward on more general simple regions than on rectangles. Practicing with the homework questions is a great thing to do to get prepared, because it gives you more experience, and through this experience, you'll be better equipped to try changing the order of integration if you think it may help.
2. General suggestions. We discussed the exam at length during class. Please keep in mind that, although many of the questions Corey asks for homework can be long, that this is not necessarily the types of questions Corey would ask. On the other hand, though, it's certainly not unreasonable or not fair game to ask questions that are of a reasonable length. If you're struggling with finding antiderivatives (trig substitution, perhaps) I recommend you pull out the old Math 212 book and looking up in the appropriate sections the types of integrals that you're struggling with. And, of course, to come see Corey if you want. Other than that, my suggestion is to ROCK ON!!!!