

Quiz # 3 Review Sheet!

My missing datebook

November 27, 2007

Hi kids! This is Corey's missing datebook, hiding from his view. So Corey has no idea what his appointments are this week, but will somehow manage. Here is the Review sheet for the third quiz, on 11/29! Enjoy!

1. Sections 5.6 and 5.7: Inverse Trig functions and the derivatives and integrals. These sections introduce inverse trig functions, their domains, and their derivatives and integrals. And so this is exactly what you'd need to know! I would know how to differentiate these sorts of functions (along with their various other forms that you'd need to use the chain rule for). In addition, I would know how to spot what sorts of integrals look as though they would be integrated with an inverse trig functions. We spoke at length about this in class, and the homework is excellent practice. See also the homework from section 8.1!
2. Section 8.1: Basic Integration Rules. This section is just a review of the rules that we already know for the integrals we have seen so far. This section is great because when you sit down to try these problems, you really don't know what method to try at first. So really most every problem in this section is great to practice with! Remember, you can check your work by differentiating your answer, and I suggest that you try exactly that for these problems, and the quiz and exam problems.
3. General remarks about the quiz: The quiz will be simply a collection of integrals that you won't really have any idea how to approach, but I can assure you that the best way to approach them will be a method you have learned already. So practice really does make perfect for this quiz (and the final), and I really think that in order to do well you'll have to practice a lot! Again, the best place to find problems to try will be from section 8.1, or the various other sections that we have seen integrals in (the u -substitution section, and the sections in chapter 5 which have you study integrals associated to the new functions you learn about.
4. ROCK ON!