

Awesome Math 211 Final Exam review sheet of coolness!

The Jetsons

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Hi kids! This is your favorite ridiculous family from the future here to help you study for the final! Below is the final section which hasn't already been considered before now on a review sheet... keep in mind, the final will be cumulative. ROCK ON!!!

1. Section 3.7: Optimization Problems. In this section we study more real-life applications of differentiation with problems of optimization. These follow along very similarly to the related rates problems of Section 2.6, but with a twist: for whatever quantity you wish to optimize, you must realize that the value you are looking for will be a local maximum (or minimum) of this quantity. Thus, differentiate the equation(s) that involve this quantity to find what you're looking for.
2. General Suggestions and Information. Are there any problems that I suggest that you focus your efforts on? Yes. There will be a question on the final about curve sketching (so practice graphing functions... see any of the homework from section 3.6 or any of the examples from class for good examples), and a question on the final about optimization (nothing but practicing the homework from section 3.7 will help you here, and of course, the class notes.) This is really as specific as I can be about it. The content of Chapter 3, however, is a prerequisite to understanding Section 3.7, and so there may be other questions on the final regarding these topics. Other than that, the final exam will be cumulative, and from 6-8 on Thursday March 26th! Good luck! And be sure to email if you have any questions! ROCK ON!