

Math 251 Quiz # 1 Review Sheet!

Snoopy

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Hi everyone, this is Snoopy. Corey asked if I would please write the review sheet for your Math 251 upcoming quiz. I agreed with great joy. But as you can see, I just came from the eye doctor. This is a short summary of the material that will be on the quiz, and then subsequently on the exam. Rock on!

1. Section 1.1: Vectors in 2 and 3 dimensional space. This section paves the way for everything that we will do this term in the way of notation and basic concepts. We studied addition and subtraction of vectors, along with scaling vectors by real numbers. Also, the geometry of these operations was studied. We also learned about equations of lines, and how to tell if two lines intersect. Generally, the homework questions provide a great batch of practice problems for this section.
2. Section 1.2: The inner product, length and distance. The only thing required of you to learn for the quiz is the information regarding the definition of the dot (or inner) product, its relation to the angle between two nonzero vectors (for example, knowing the formula would be good), and the notions of length and distance we discussed in class. Again, the homework problems provide excellent practice.