

Math 217 Winter 2011 Section 002 Write-your-own-quiz

We will have a quiz the week of, or the week before Midterm II, possibly replacing, and possibly in addition to, "Quiz 5". This quiz will consist of True-False questions written by **you**.

Send me the T/F-question you want included into this quiz by March 14.

If you do not send me a question, you can still take the quiz, but you will be at a severe disadvantage in terms of the grading.

How this quiz will be graded: you will receive 1 point for each T/F question you get correct, and 1 point for each student who gets your T/F question wrong. (I will then scale the raw scores somewhat to make the final score more comparable to the other quizzes.)

Rules for your T/F question:

- Your T/F question should be a question relating to the materials in Chapters 1-5.
- Your T/F question has to be precisely phrased, and with quantifiers, so that no ambiguity can arise. It must be mathematically meaningful.
- Your T/F question cannot be too long, or too obscure (judged by me). It cannot mention page numbers or Theorem numbers.
- You do not need to supply me with an answer to your own T/F question. The grading scheme ensures that as long as you take the quiz you will get 1 point for your own question.
- If I find your T/F question unacceptable I will ask you to give me another one.

A hint for your T/F question: Difficult T/F questions usually do better (induce more wrong answers) than easy T/F questions. However, extremely difficult questions lead to a lot of guessing, giving roughly 50% wrong answers. A difficult T/F question which *seems* easy often performs the best.

(Last time I ran a write-your-own-quiz, one student provided a question for which only 2 other students got correct. The student got his problem wrong as well, but induced more than 90% wrong answers from the class.)