

Math 211, Differential Equations and Linear Algebra

rewrite instructions for midterm exam 1

problem 1:

The chief mistake was one of interpretation of the problem. λ was intended to be a fixed constant, with t being the independent variable. I will allow rewrites and average the score of the rewrite and the original score when regrading the exam

problem 2:

I intended this problem to test your knowledge of what it means for a function to solve an IVP. Many people did not check all of the criteria that a function must satisfy to be a solution to an IVP. I am allowing rewrites for full credit on this problem.

problem 3:

Nothing went particularly awry on this problem. You were intended to employ the techniques used to plot solutions to autonomous ODE's without actually solving them. I will allow rewrites and average your original score with the rewrite score

problem 4:

This problem was intended to show that you know the statement of the existence and uniqueness theorems. I will allow rewrites and average the rewrite score with the original score.

problem 5:

I will allow rewrites and average the rewrite score with the original score.

problem 6:

I will allow rewrites and average the rewrite score with the original score.

problem 7:

The problem was intended to test that you could use equivalence between the concepts of having a nontrivial nullspace and having a zero determinant to say when a matrix will have non-trivial nullspace, and your ability to find solutions to a matrix equation. I will allow rewrites and average the rewrite score with the original score.

problem 8:

Problem 8 I ended up not grading. I will outline a solution technique in the next homework assignment. Those who answered problem 8 satisfactorily will not need to do this exercise.

Note:

Your grade will not be moved above a score of seventy out of seventy by means of rewriting problems.