

Math 2301

Final Exam Content Guide

Your final exam will consist of 10 problems. Each problem will be worth a total of 10 points. Listed below is the content that will be on this exam.

1. Find five limits (similar to exam 1, #5)
2. Given a rational function and a discontinuity, define the function so that it becomes continuous. (similar to exam 1 #2)
3. Find five derivatives, do not simplify (similar to exam 1, #6 and exam 2 #1 – 4)
4. Find the equation of a tangent line. (similar to exam 1, #7)
5. Given cost and revenue functions, find marginal cost, revenue, and profit functions. (Section 11.2)
6. Given a demand function, find price to maximize revenue (or profit) and the max revenue (or profit). (Section 12.2)
7. Given marginal cost and some information, find the cost function. (Section 13.1)
8. Find five indefinite integrals. (similar to exam 3 #5, 6)
9. Find two indefinite integrals using substitution. (similar to exam 3, #7)
10. Find two definite integrals. (similar to exam 3, #8, 9)

Your exam is scheduled for Tuesday, May 12th.

Class time 9:00 – 10:20 am has exam time 10:00 – 12:45 in EDUC 303

Class time 12:00 – 1:20 pm has exam time 1:00 – 3:45 in COTT 207

You shouldn't need the entire scheduled time, but it is yours if you want it. If you arrive after someone has turned in their exam you will not be allowed to take the exam receiving a grade of 0%. Show up at the start and leave early.

You are encouraged to use your formula sheets from exams 2 and 3 that you had to make and I suggest you create a new one for the exam 1 material. You may choose to make a new formula sheet instead. You must have a formula sheet (or three) of some type and you will be required to turn in the formula sheet with the exam.

You can opt out of the exam by signing and returning the final exam contract distributed on April 28th.