

Math 1100 Chapters 2 and 3 Test Review

About the test: No notes. Calculators are allowed, but storing notes, etc. on them is cheating. You may not use a cell phone. You must show your work to get credit, so be careful of having your calculator do something you should be doing yourself. Simplify your answers as far as possible. Points are taken off for rounding and labeling errors. Seating during the test is every other seat.

Topics and things to know:

- find the following given the graph of a function: intercepts, asymptotes, local and global max/mins, concavity, intervals where increasing/decreasing, intervals where positive/negative
- interpret graphs
- what positive/negative f, f', f'' signify
- sketch the graph of a function using information from the derivative
- optimization problems involving fences, boxes, inventory costs, profit, revenue, cost, etc.
- know what carrying costs, ordering costs, and inventory costs are

Extra Credit Review Problems (15 points)

- 2.1: 6,7,25
- 2.2: 2,3,19,24,43
- 2.3: 5,14,37
- 2.5: 14
- 2.6: 3,18
- 2.7: 3,6,9,21
- 3.1: 1,18,31
- 3.2: 7,14,17,56
- 3.3: 13,42