

Review problems: These review problems are for your benefit only. They will not be collected, and they are not comprehensive (i.e. there may be things on the test not covered in the review problems). The exam will cover material through section 8.4

Know the exact definitions of: Derivative, continuity. Know the following definition:

$$\int_a^b f(x)dx = \lim_{\|P\| \rightarrow 0} \sum f(c_k)\Delta x_k,$$

and know what each of the symbols (e.g. $c_k, \Delta x_k$) mean.

Know how to use:

Intermediate value theorem

Mean Value theorem

Fundamental theorem of calculus (Parts I and II)

The formula for $(f^{-1})'$

Know how to do the homework/ quiz problems. Here are some extras that we can review in class.

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366	27,67
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579	17,21,29

There will be no quiz on the week of Oct. 2, but here are the “quiz questions” to practice for the exam: p.579 # 12,20,22,45,50,51