MATH 141 (§§4 & 5) University of South Carolina
D. Meade Spring 1997

Homework Problems for Chapter 3
The Derivative

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3.10	160	# 1, 4, 6, 13, 17, 22, 25
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		Sample Test Problems: # 1–5, 10, 13, 14, 16–18, 21, 23, 26, 27

Notes

- The assigned problems represent a wide level of difficulty. Many are routine problems. In addition, you will also find *i)* applications that require you to find and solve an appropriate formulation of the problem, *ii)* multi-step problems that involve the use of several different ideas and techniques (possibly in new combinations), *iii)* problems that involve parameters with unspecified values, and *iv)* problems that require careful understanding (and re-reading) of the general results that have been developed.

- The first mid-term exam will Friday, January 31. All material through §3.2 will be included on this exam.

- If you need more practice, there are many other problems in the text that are similar to the ones I have assigned. Also, the Mathematics Library (LeConte, third floor) has a collection of Calculus textbooks. These can be a great resource for students needing additional practice.

- Do not hesitate to ask questions – in class, in recitation, by e-mail, during office hours, or in the Math Lab.