Homework 9 - Math 141, Frank Thorne (thornef@mailbox.sc.edu)

Due Wednesday, October 19

Note: We will only spend a very little bit of time on L’Hospital’s rule. There are four questions about it, but none of them will appear on the exam.

(a) What does the first derivative tell you about the shape of a graph?
(b) What does the second derivative tell you about the shape of a graph?
(c) Stewart, Ch. 4.3; 5, 6, 19, 21, 30-32, 61-65.
(d) Stewart, Ch. 4.3; 24-29, 35-50; even required, odd recommended.
(e) What does L’Hospital’s rule say?
(f) Stewart, Ch. 4.4; 5, 9, 10.
(g) (due October 28 – you can get a head start if you like!) Stewart, Ch. 4.5; 1-10, 31-40; even required, odd recommended.