Homework 4 - Math 141, Frank Thorne (thornef@mailbox.sc.edu)

Due Friday, September 16

These questions will not appear on the first midterm exam.

(a) Draw a graph of a function which is not differentiable, and geometrically explain why it is not differentiable.

(b) Give an equation of a function which is not differentiable, and algebraically explain why it is not differentiable. (You can use the same function or a different function.)

(c) Stewart, Ch. 2.8, 3, 5-8, 14-16.

(d) Stewart, Ch. 2.8, 19-29; even required, odd recommended.

(e) Stewart, Ch. 2.8, 41-43.