

Homework 8 - Math 141, Frank Thorne (thornef@mailbox.sc.edu)

Due Wednesday, October 28

- (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) What is an inflection point? How do you find them? Why are they interesting?
- (d) Thomas, Ch. 4.4, 9-18, 31-40 (even required, odd additional); 81-84 (all).
- (e) Thomas, Ch. 4.6, 1-12, 37-42, 45-53, 59, 40 (even required, odd additional).