

MATH 151 Homework 10

Due 2/20

Read Sections 3.2 and 3.3.

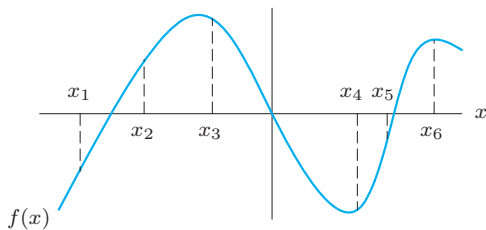
Do Section 3.1 Exercises 17, 21

Do Section 3.2 Exercises 4, 9, 14, 19, 28, 35

Also, do the following exercises.

SF29. In the graph of f below, at which of the labeled x -values is

- (a) $f(x)$ greatest?
- (b) $f(x)$ least?
- (c) $f'(x)$ greatest?
- (d) $f'(x)$ least?



SF30. Draw the graphs of two functions f and g for which $f'(x) = g'(x)$ for all x .

SF31. Draw the graph of a function whose graph is always above the x -axis, but doesn't have a positive derivative.