

Name _____

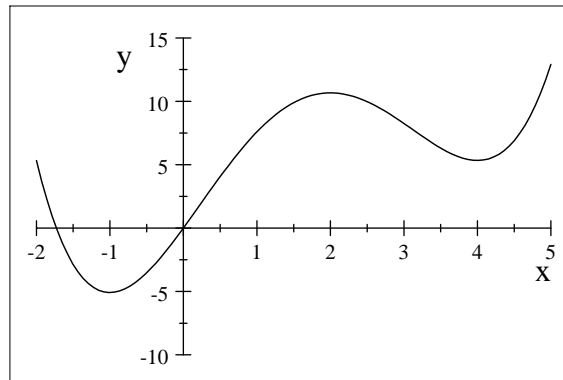
Lab Section: _____

MATC 1200, Calculus for Business and Social Sciences

Lab 7 The Second Derivative: Week of May 11, 2009

Pre-Lab Question

1. Here is the graph of a function $f(x)$. Consider the domain of $f(x)$ to be $(-\infty, \infty)$.



Graph of $f(x)$

- On what intervals is the graph of $f(x)$ positive?
- On what intervals is the graph of $f(x)$ negative?
- For what x values does $f(x) = 0$?
- On what intervals is the graph of $f(x)$ increasing?
- On what intervals is the graph of $f(x)$ decreasing?
- For what x values does $f'(x) = 0$?