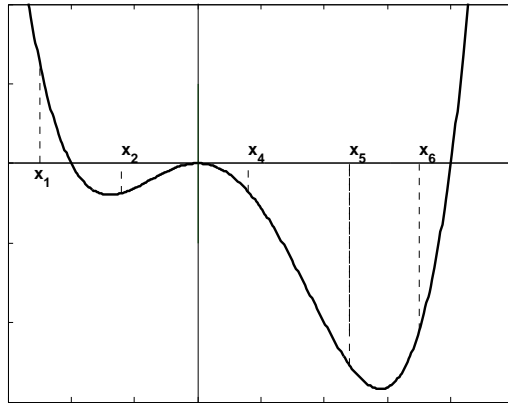


3. (12 points) Below is a graph of a function f :



- (a) For which of the marked x values is $f'(x)$ the largest? x_6
- (b) List all of the marked x values for which $f(x) > 0$. x_1
- (c) List all of the marked x values for which $f'(x) < 0$. x_1, x_4, x_5
- (d) List all of the marked x values for which $f'(x)$ is increasing. x_1, x_2, x_5, x_6
- (e) List all of the marked x values for which $f(x)$ is increasing. x_2, x_6
- (f) List all of the marked x values for which $f''(x)$ is negative. x_4