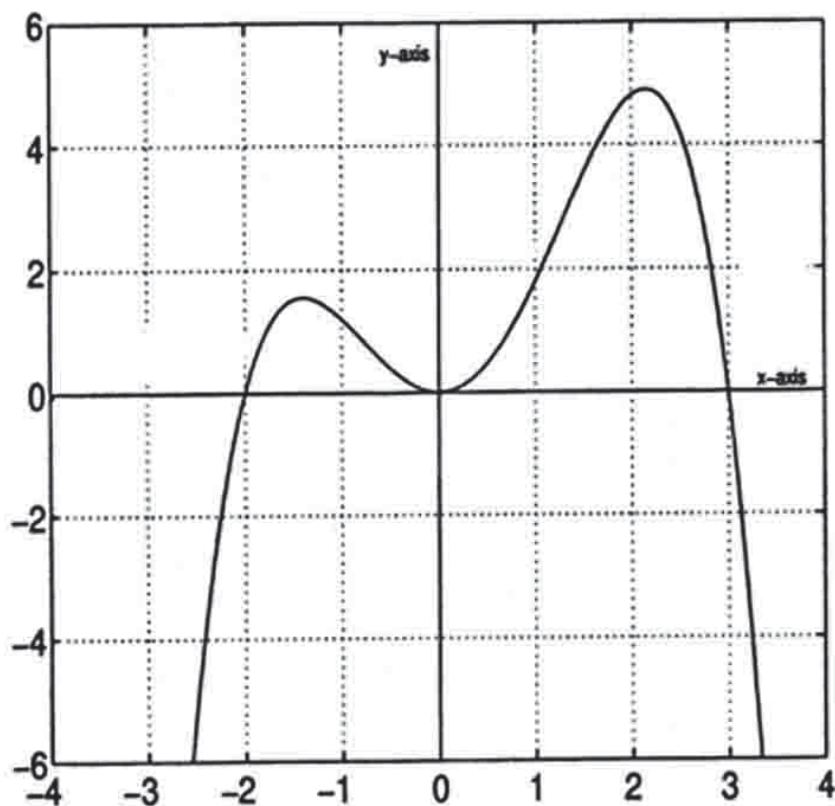


2. (11 points) The graph in the figure below is the graph of f' (i.e., the derivative of the function f).



- (a) For what value(s) of x , if any, does f have a critical point? $x = -2, 0, 3$
- (b) For what value(s) of x , if any, does f have a local maximum? $x = 3$
- (c) For what value(s) of x , if any, does f have a local minimum? $x = -2$
- (d) For what value(s) of x , if any, does f have an inflection point? $x = -1.5, 0, 2.1$
- (e) Over what intervals, if any, is f increasing? $(-2, 3)$ or $(-2, 0) \cup (0, 3)$
- (f) Over what intervals, if any, is f concave up? $x < -1.5, 0 < x < 2.1$