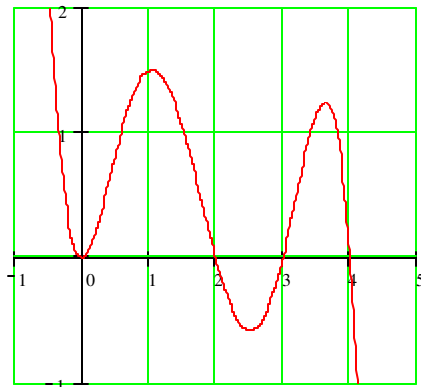


- (5.) (14 pts) The graph in the figure below is the graph of $f'(x)$ (i.e., the graph of the *derivative* of f). [Note: all questions refer to f , not f' .]



Graph of the derivative of f

- (a) Determine *all* values of x for which:

(i) f has critical point(s)

(ii) f has local maximum(s)

(iii) f has local minimum(s)

(iv) f has inflection point(s)

- (b) Give one interval over which f is concave down.

- (c) Give the largest interval over which f is increasing.
