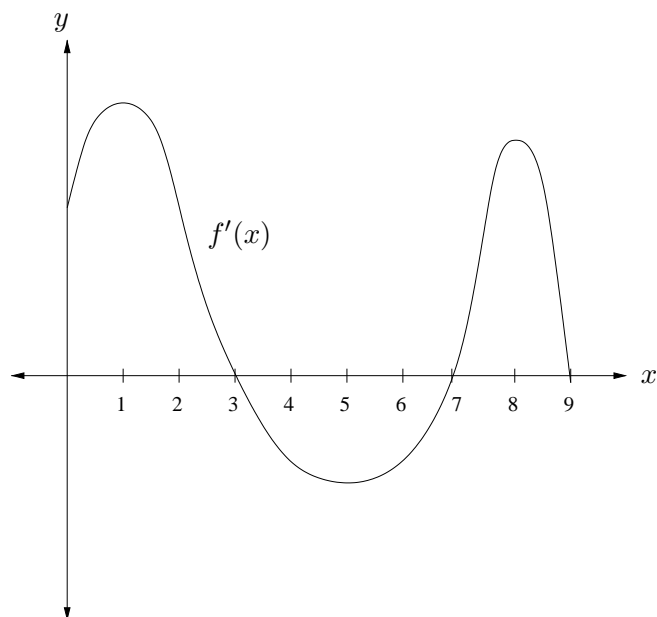


9. (10 points) The graph of $f'(x)$ (i.e., the *derivative* of f) is given below. Use the graph to answer the following questions:



(a) For which intervals is f increasing?

(b) For which intervals is f'' negative?

(c) For which value(s) of x (if any) does f have a local maximum?

(d) For which values of x (if any) does f switch from concave up to concave down?