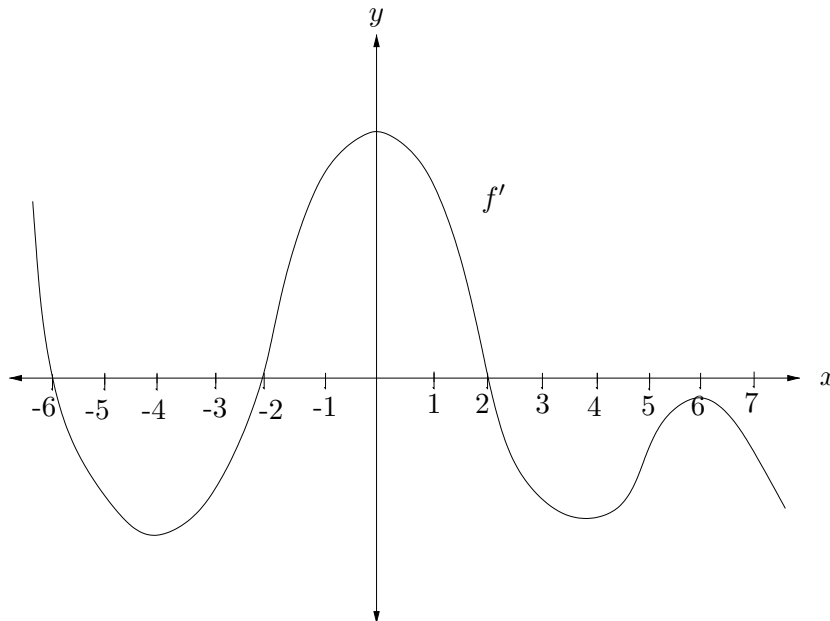**2.** (14 points) The following is a graph of the **derivative** of f.
The function f is defined for all real numbers.

(a) For which values of x, if any, does f have a local maximum?

(b) For which values of x, if any, does f have a local minimum?

(c) Which values of x, if any, are inflection points of f?

(d) Over which intervals is f increasing?

(e) Over which intervals is f concave down?