**6.*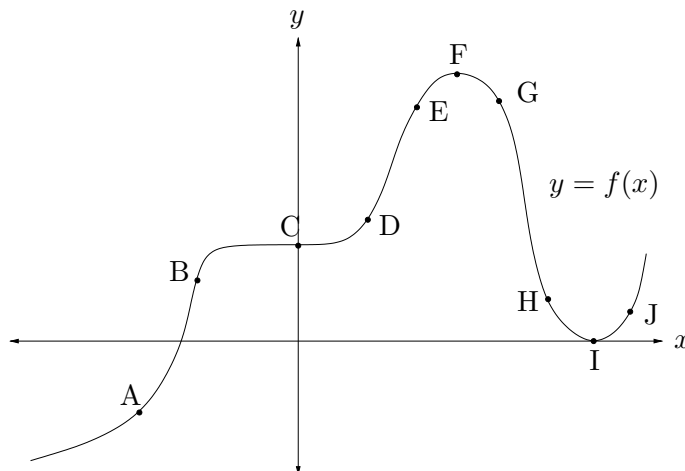* (11 points) The graph of a continuous differentiable function f is given below. Use the graph to answer the following. No explanation necessary.

(a) List all labelled points (if any) where f' and f'' are both positive.

$$A, D, J$$

(b) List all labelled points (if any) where f' and f'' are both negative.

$$G$$

(c) List all labelled points (if any) where f and f' are both positive.

$$B, D, E, J$$

(d) List all labelled points (if any) where f and f' are both both negative.

(e) List all labelled points (if any) where at least two of f, f', f'' are zero.

$$C, I$$