6. (11 points) A function $f$ is differentiable at all points and a graph of $f'$, the derivative of $f$, is shown in the figure.

(a) List all values of $x$ (approximately) that are critical points of $f$ or write "none" if there aren't any.

$$x = \{-3, -1, 2, 4\}$$

(b) List all values of $x$ (approximately) where $f$ has a relative maximum or write "none" if there aren't any.

$$x = \{-1\}$$

(c) List all values of $x$ (approximately) where $f$ has a relative minimum or or write "none" if there aren't any.

$$x = \{-3, 4\}$$

(d) List all values of $x$ (approximately) where $f$ has an inflection point or write "none" if there aren't any.

$$x = \{-2, 0, 2, 3.5\}$$