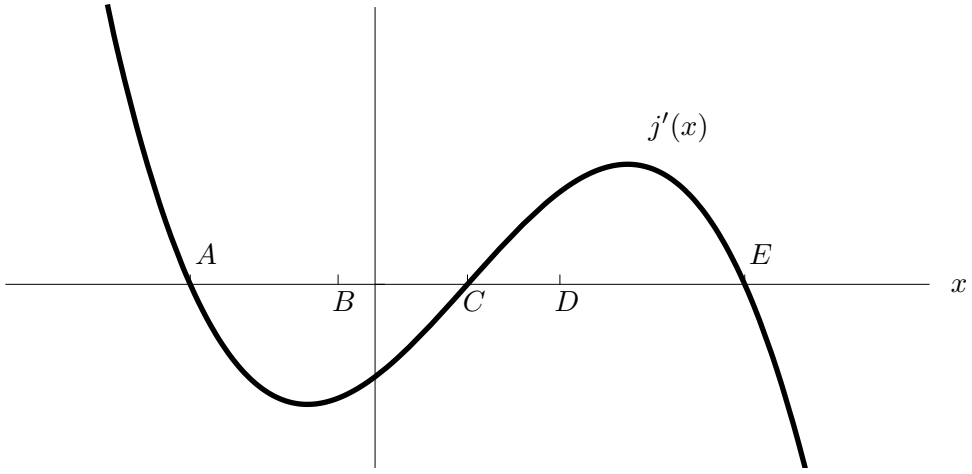
**1**. [12 points] Consider the graph of $j'(x)$ given here. Note that this is not the graph of $j(x)$.




For each of (a)-(f) below, list **all** $x$-values labeled on the graph which satisfy the given statement in the blank provided. If the statement is not true at any of the labeled $x$-values, write "NP". You do not need to show your work. No partial credit will be given on each part of this problem.

(a) The function $j(x)$ has a local minimum at $x =$ **C**.

(b) The function $j(x)$ has a local maximum at $x =$ **A, E**.

(c) The function $j(x)$ is concave up at $x =$ **B, C, D**.

(d) The function $j(x)$ is concave down at $x =$ **A, E**.

(e) The function $j'(x)$ has a critical point at $x =$ **NP**.

(f) The function $j''(x)$ is greatest at $x =$ **C**.