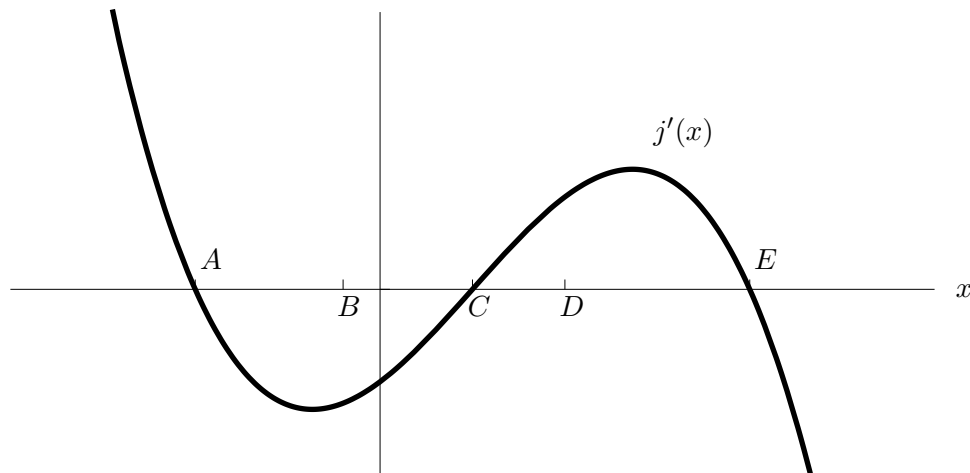


1. [12 points] Consider the graph of $j'(x)$ given here. Note that this is not the graph of $j(x)$.



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.

- The function $j(x)$ has a local minimum at $x =$ _____.
- The function $j(x)$ has a local maximum at $x =$ _____.
- The function $j(x)$ is concave up at $x =$ _____.
- The function $j(x)$ is concave down at $x =$ _____.
- The function $j'(x)$ has a critical point at $x =$ _____.
- The function $j''(x)$ is greatest at $x =$ _____.