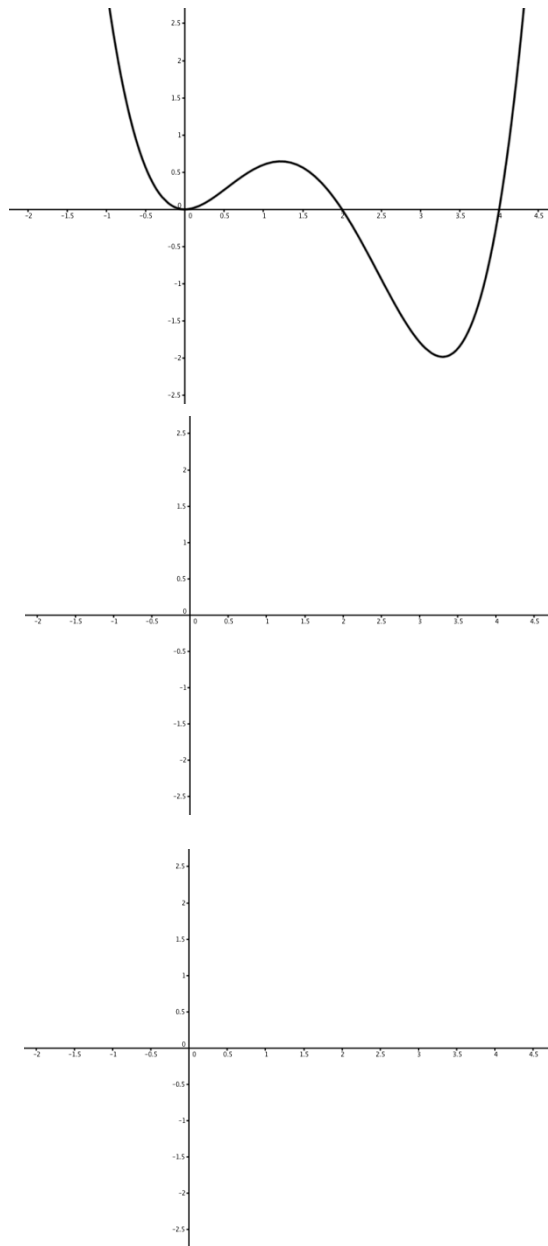


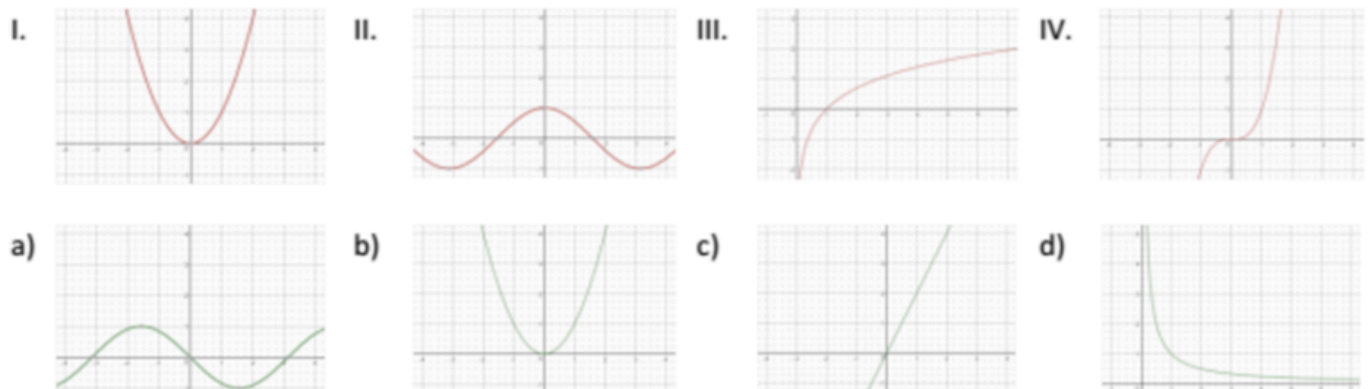
## Sketching Derivative Graphs

Locate x-intercepts on the derivate graph by recalling that the derivative is zero if the tangent line is horizontal and has a high point or a low point where the derivative is steepest



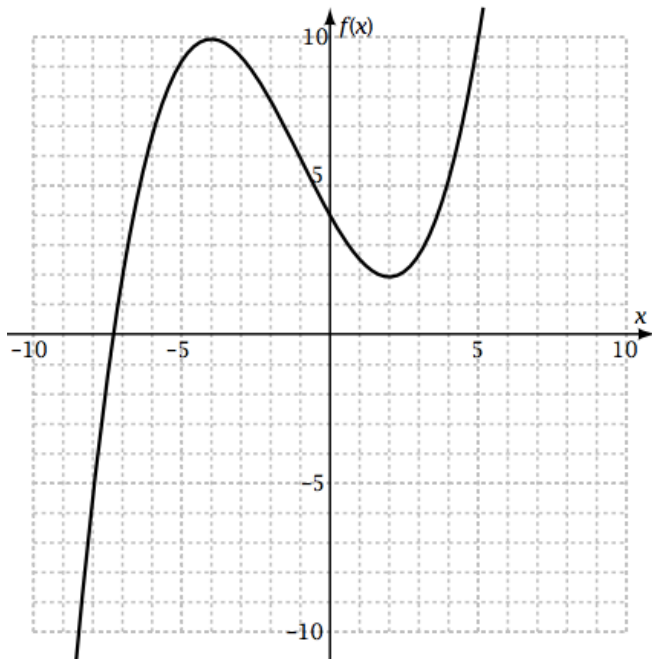
### Example 1

Match the graph of each function in the top row with the graph of its derivative in the bottom row.

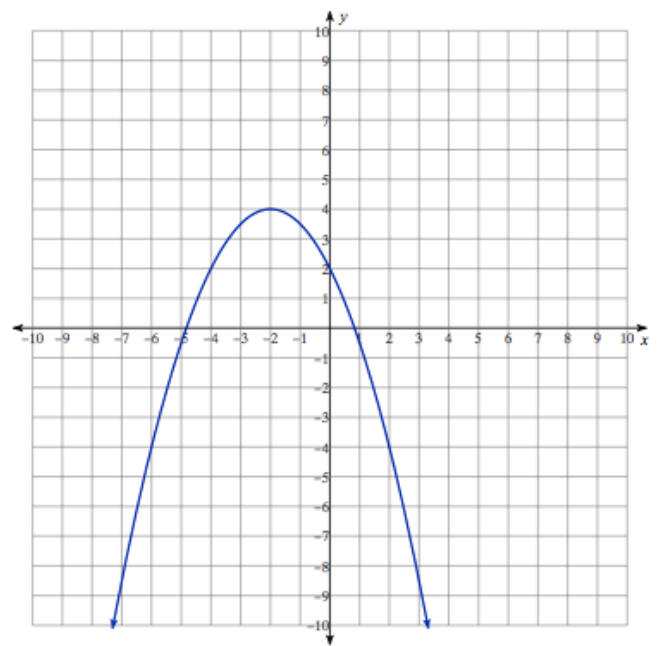


Example 2 - For each function given, sketch the graph of the first derivative and second derivative.

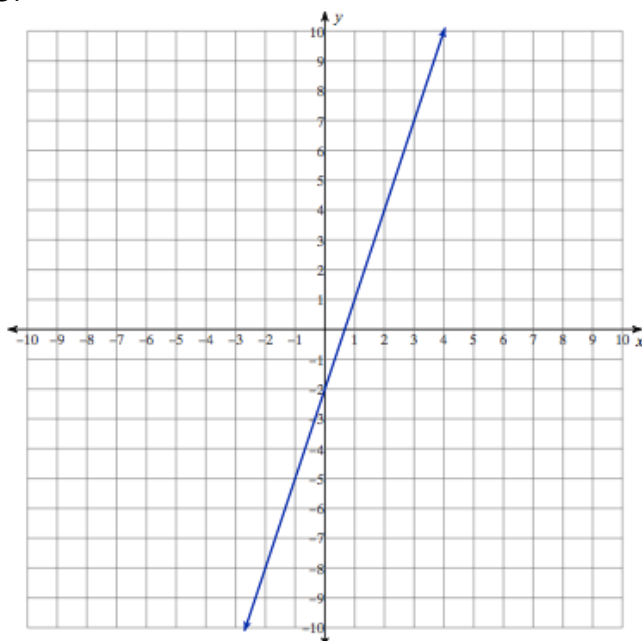
1.



2.



3.



4.

