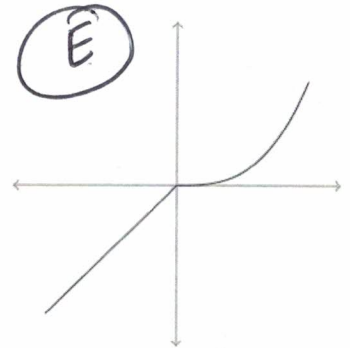
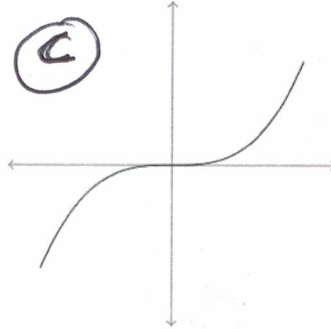
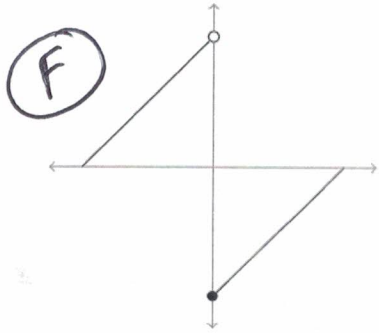
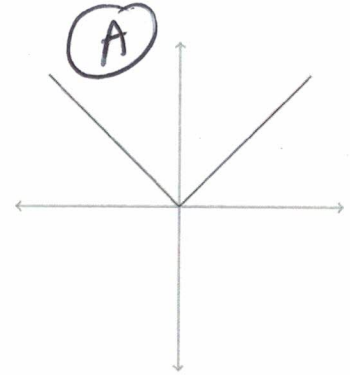
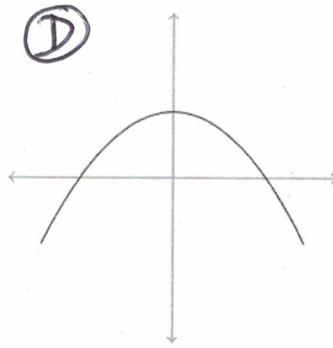
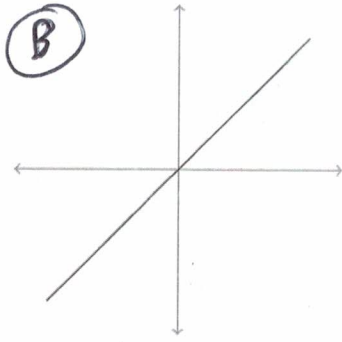
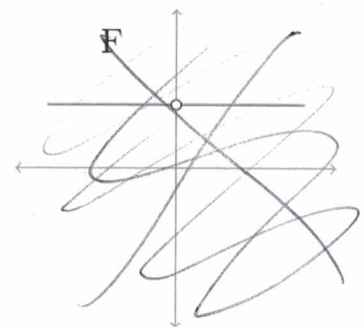
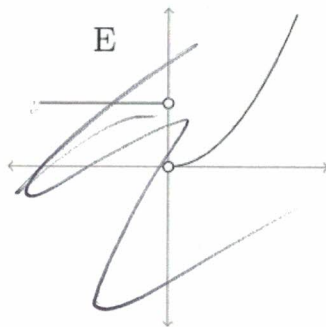
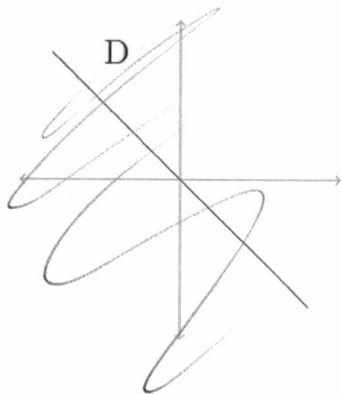
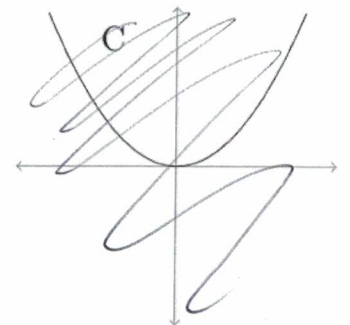
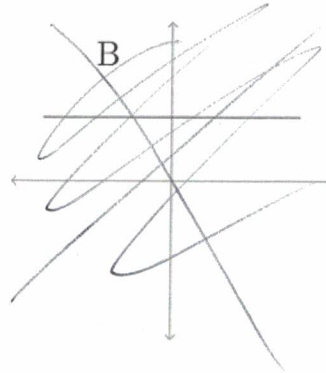
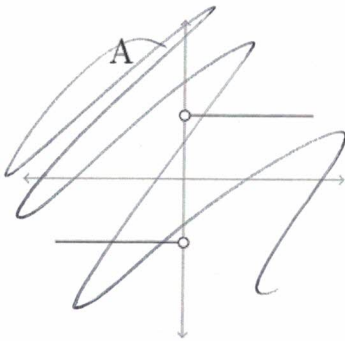


Part 1: Match each of the following functions below with its corresponding derivative graph (A-F).

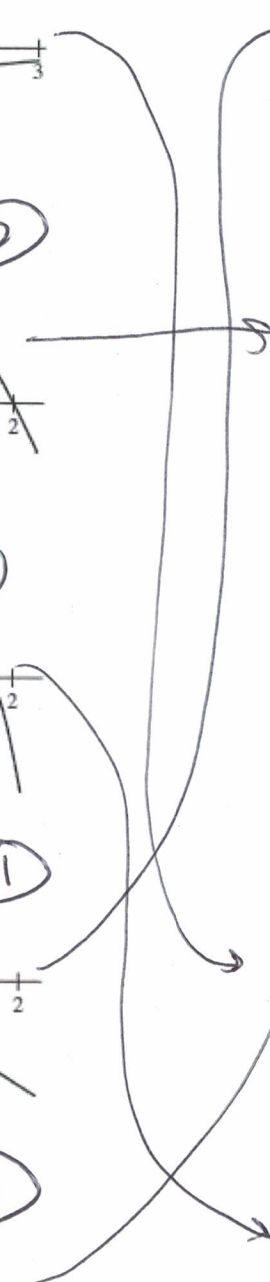
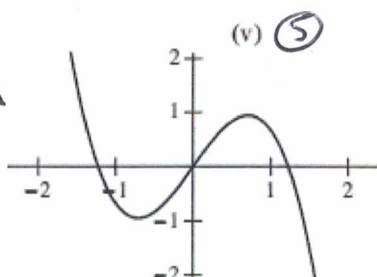
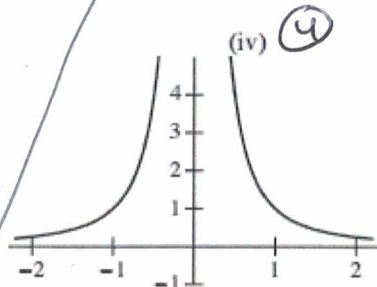
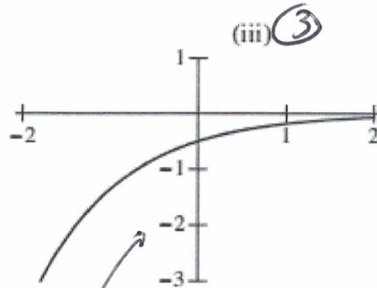
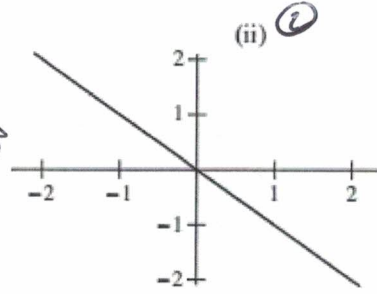
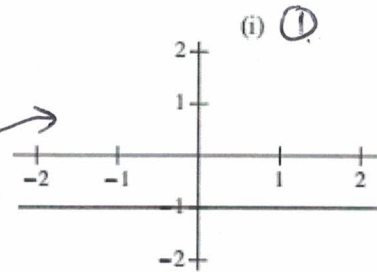
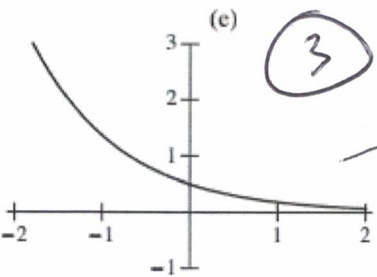
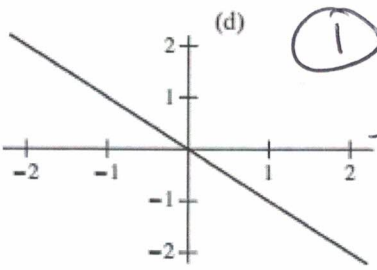
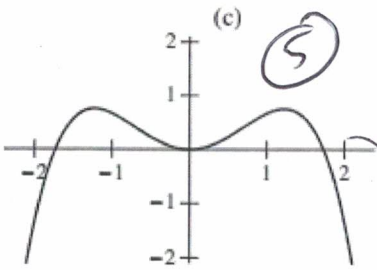
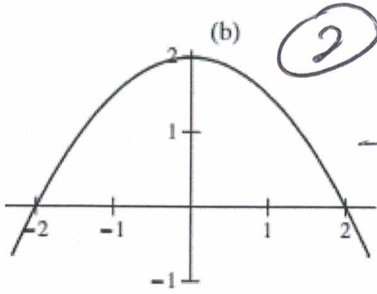
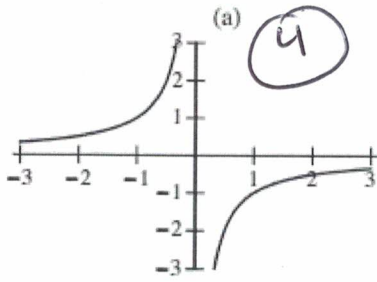
Original Functions:



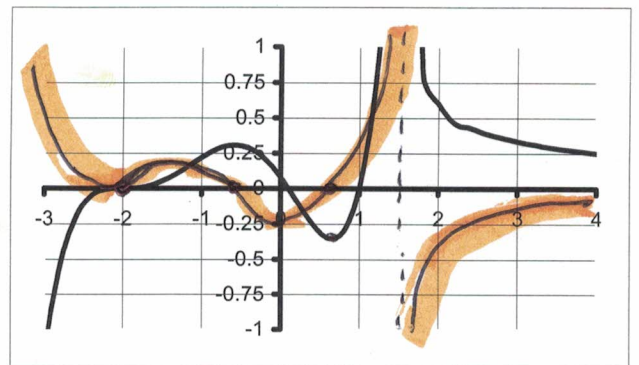
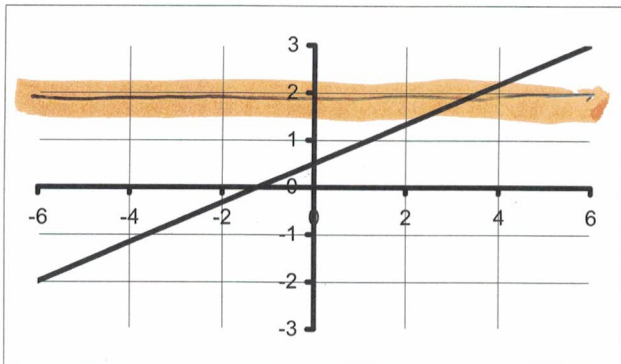
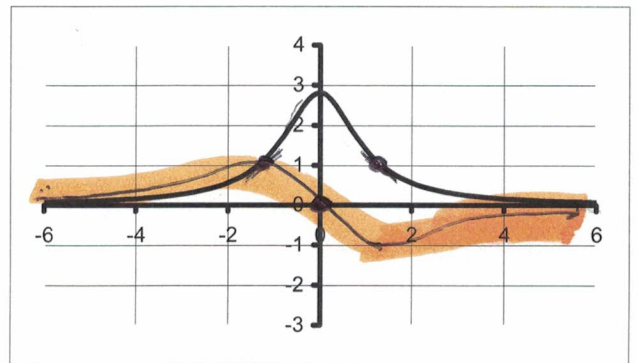
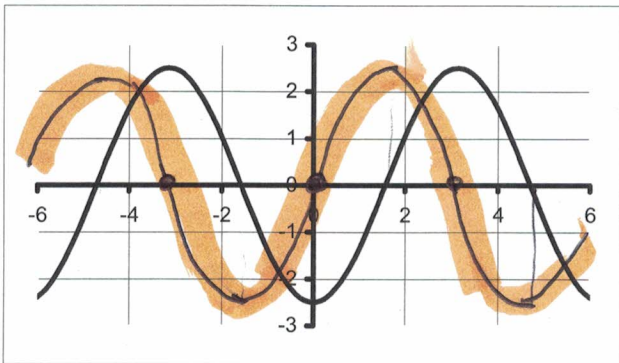
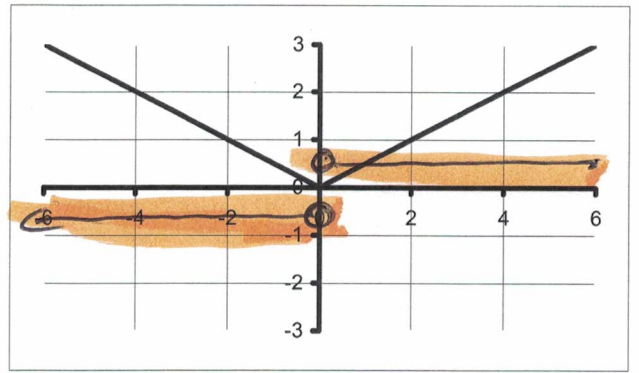
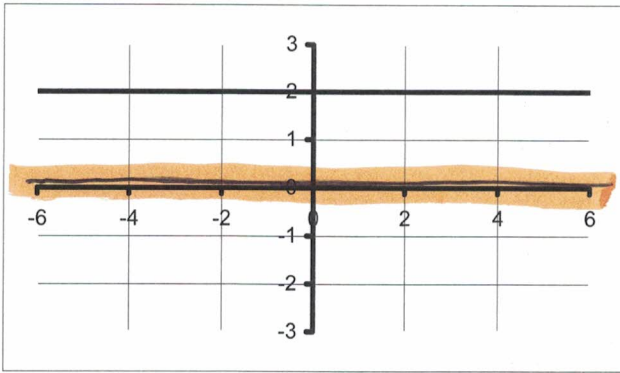
Their derivatives:



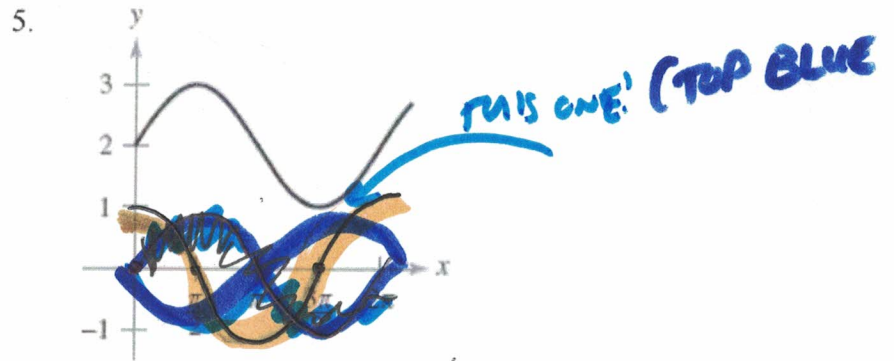
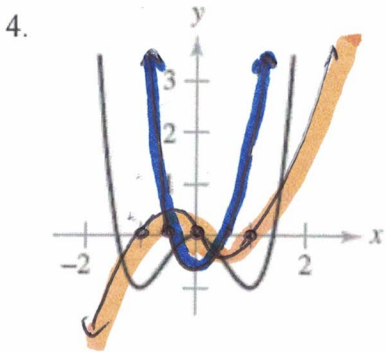
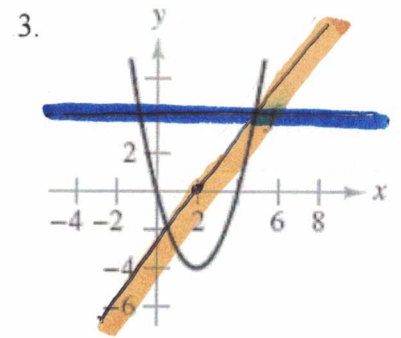
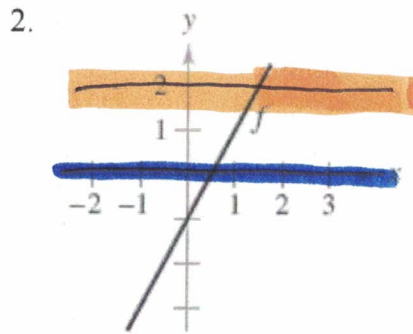
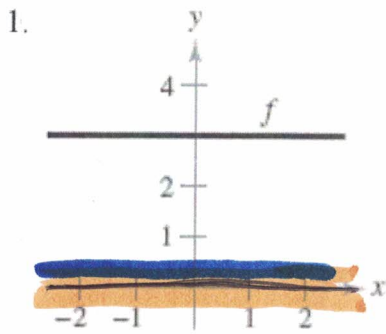
Part 2: Match each of the following functions on the left (a-e) with its corresponding derivative graph on the right (i-v).



Part 3: On top of each of the following functions, sketch the graph of the derivative.



The graph of f is given below. Sketch a graph of f' and f'' .

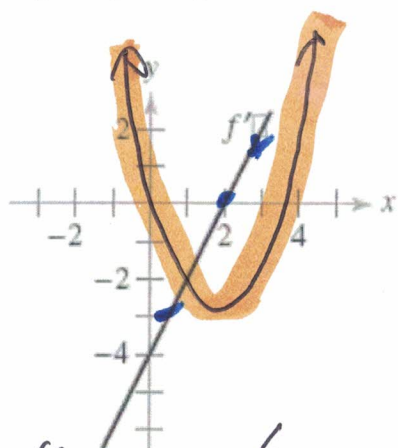


FUNCTION ($f(x)$) —
 $f'(x)$ —
 $f''(x)$ —



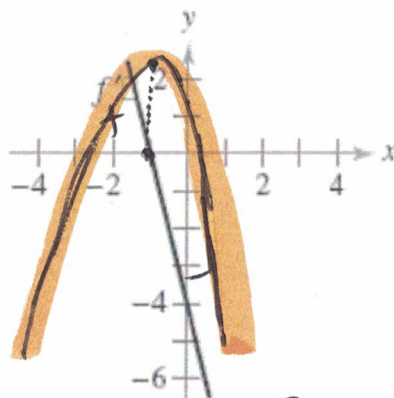
The graph of f' is given below. Sketch a possible graph of f .

6.



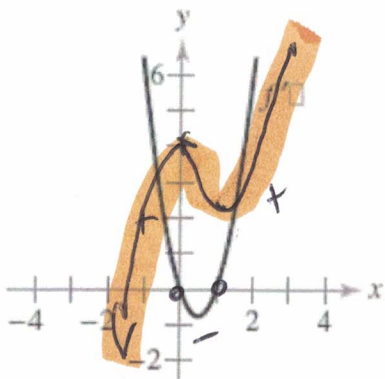
f' POS/ODD \rightarrow f POS/EVEN

7.



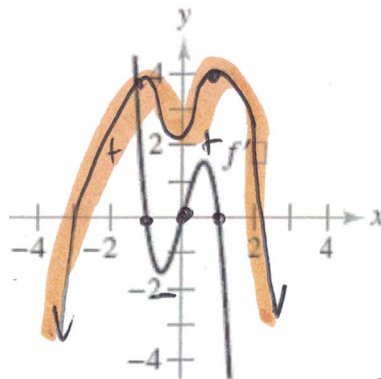
f' NEG/ODD \rightarrow f NEG/EVEN

8.



f' POS/EVEN \rightarrow f POS/ODD

9.



f' NEG/ODD \rightarrow f NEG/EVEN