Given the graph of $f(x)$, go to the table below:
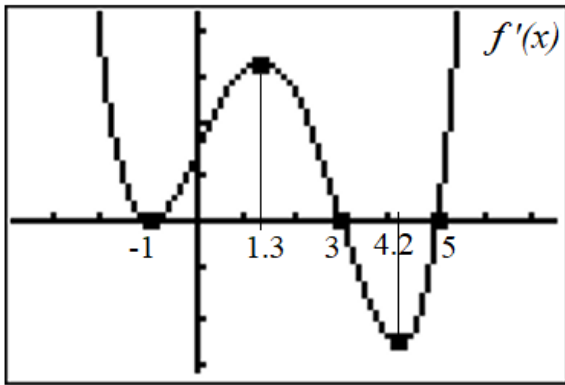
Given $f(-1)=-1$, sketch $f(x)$

$f'(x)$

$f'(x)$

-1   1.3   3   4.2   5
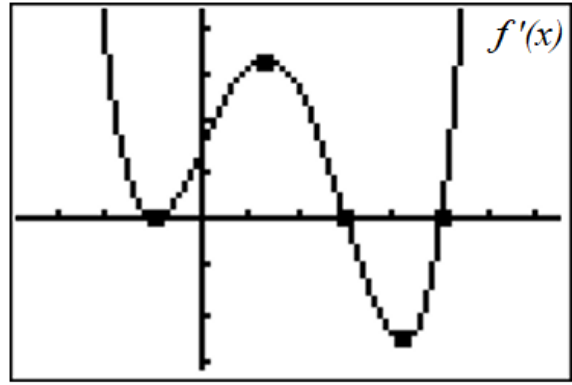
$f(x)$ at x	FIRST: Complete column 2.	THIRD: Complete column 3.
	COLUMN 2:	COLUMN 3:
I – do first	Discuss the sign of $f'(x)$ and what this tells you about the behavior of $f(x)$.	Discuss the sign of $f''(x)$ and what this tells you about the behavior of $f(x)$
II – do second III – do third IV – do 4th for column 1	When applicable, include conclusions about any points being maximum, minimum or terrace points and why.	When applicable, include a conclusion about any points being inflection points and why.
I $f(x)$ at $x=-2$		
III $f(x)$ at $x=-1$		
I $f(x)$ at $x=0.5$		
IV $f(x)$ at $x=1.3$		
I $f(x)$ at $x=2$		
II $f(x)$ at $x=3$		
I $f(x)$ at $x=3.5$		
IV $f(x)$ at $x=4.2$		
II $f(x)$ at $x=5$		
I $f(x)$ at $x=6$		
Sketch the indicated graph.	SECOND: On the graph above left, sketch the graph of the second derivative $f''(x)$ and then complete column 3.	FOURTH: On the graph above right, sketch the graph of the function $f(x)$ based on the known behavior of $f(x)$ from the derivatives $f'(x)$ & $f''(x)$