

Sketch practice

Let f be a function that is continuous on the closed interval $[-3, 3]$. If f , f' and f'' have the values given in the table, sketch a graph of f .

x	$-3 < x < -2$	-2	$-2 < x < -1$	-1	$-1 < x < 0$	0	$0 < x < 1$	1	$1 < x < 2$	2	$2 < x < 3$
$f(x)$	Pos	5	Pos	4	Pos	3	Pos	2	Pos	1	Pos
$f'(x)$	Neg	0	Neg	Neg	Neg	0	Neg	Neg	Neg	0	Pos
$f''(x)$	pos	neg	neg	0	pos	0	neg	0	pos	Pos	pos