


x	$-\infty$		0		$+\infty$
$f'(x)$	5	$+$	0	$-$	-10
$f(x)$			10		
	$-\infty$				-10



The diagram shows a peak at $x=0$ with a value of 10 . Two arrows point downwards from this peak: one to the left towards $x=-\infty$ and one to the right towards $x=+\infty$. The $f'(x)$ row shows a sign change from $+$ to $-$ at $x=0$, and the $f(x)$ row shows a decrease from 10 to -10 as x moves away from 0 in both directions.