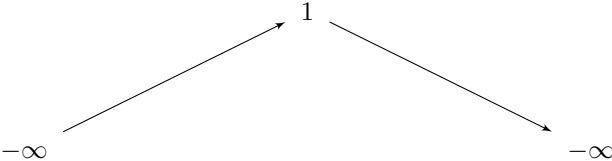


x	$-\infty$	2	$+\infty$
y'	$+$	0	$-$
y	 <p>The diagram illustrates a function y over the domain $x \in (-\infty, +\infty)$. The function starts at $-\infty$ as $x \rightarrow -\infty$, increases to a maximum value of 1 at $x = 2$, and then decreases back to $-\infty$ as $x \rightarrow +\infty$. The derivative y' is positive for $x < 2$ and negative for $x > 2$, with a zero at $x = 2$.</p>		