

f	\nearrow	\rightarrow horizontal tan	\searrow	\cup	inflection	\cap	F
f'	$+$	0	$-$	\nearrow	\rightarrow horizontal tan (min/max)	\searrow	f
f''				$+$	0	$-$	f'

Note an inflection may result in the derivative function being a sharp point or vertical asymptote and the 2nd derivative function being undefined.