

To help you organize the theory in section 4.3, fill in the blank entries below that relate how certain properties of f' and/or f'' correspond to properties of f .

Some entries have been filled in as examples.

Some entries should be blank.

f''	f'	f
		is increasing on (a, b)
		is decreasing on (a, b)
BLANK		has a critical number at c
		has a local maximum at c
$f'(c) = 0$ and $f''(c) > 0$	f is continuous at c , $f'(c) = 0$ or undefined and f' changes from negative to positive at c	has a local minimum at c
		is concave up on (a, b)
		is concave down on (a, b)
		has an inflection point at c