

Calculus AB

2-1

Derivatives - A Graphical Approach

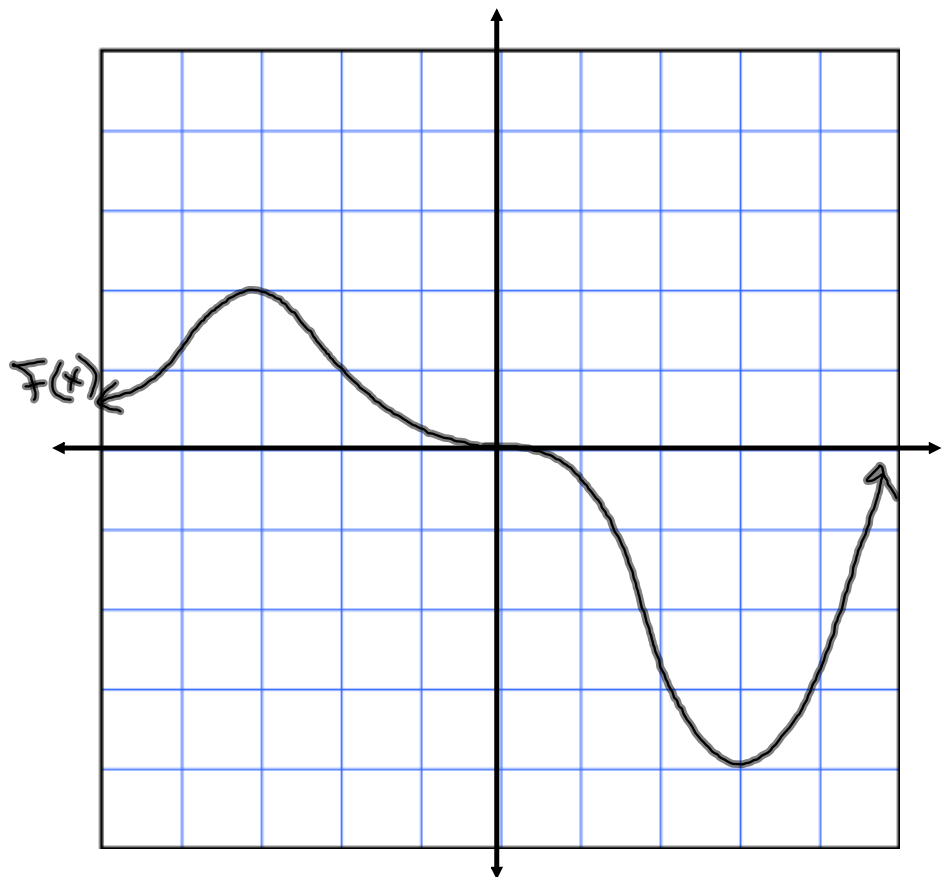
Definition of Derivative -

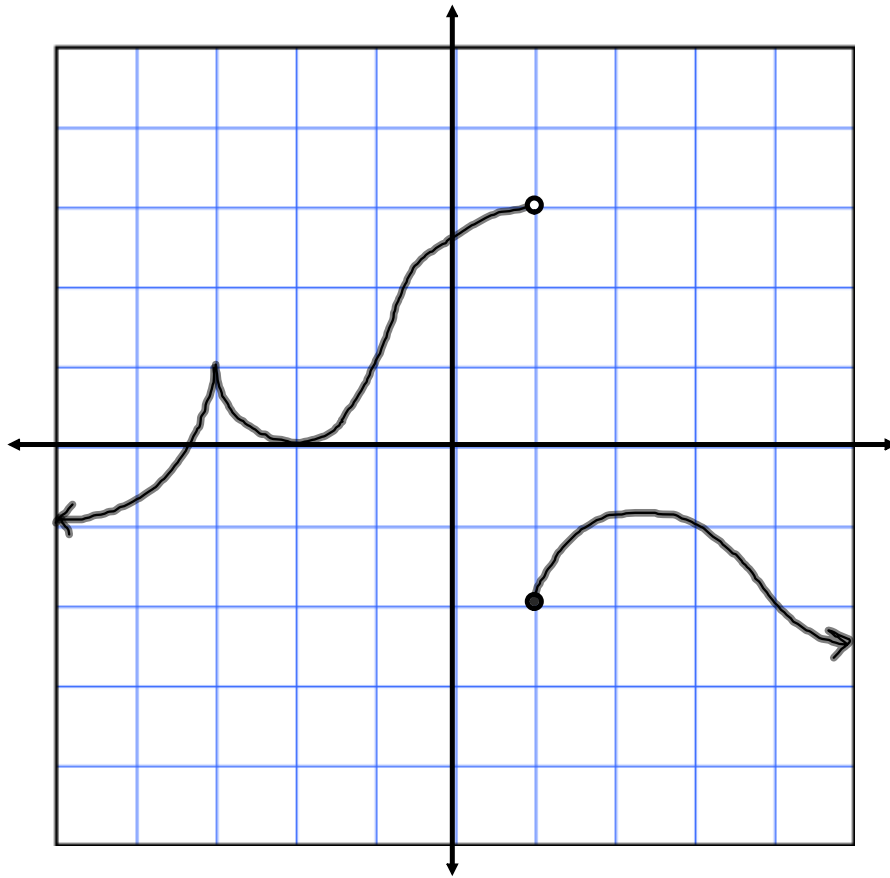
In plain English (no math symbols), what exactly does the Derivative do?

Compare a function $f(x)$ and its derivative $f'(x)$,

$f(x) \rightarrow$ input: _____ $f'(x) \rightarrow$ input: _____
output: _____ output: _____

Using the graph of $f(x)$, draw the graph of $f'(x)$





Complete the Graphing Worksheet.

For each, draw the graph of the derivative to the given functions.