

February 13, 2017
 * Quiz Wednesday on Difference Quotient

Feb 13-10:50 AM

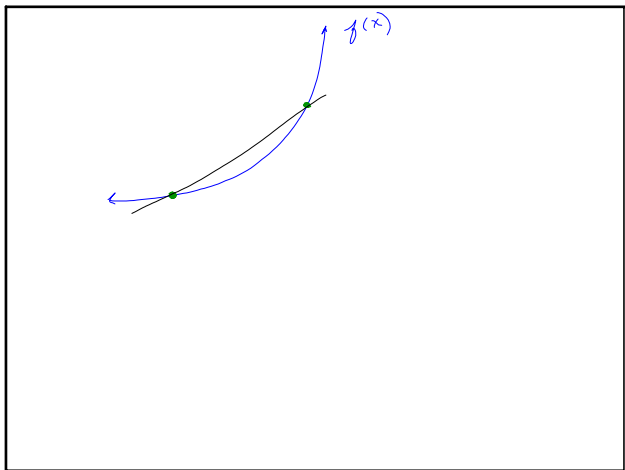
Average Rate of Change

① Slope = $m = \frac{f(x_2) - f(x_1)}{x_2 - x_1}$

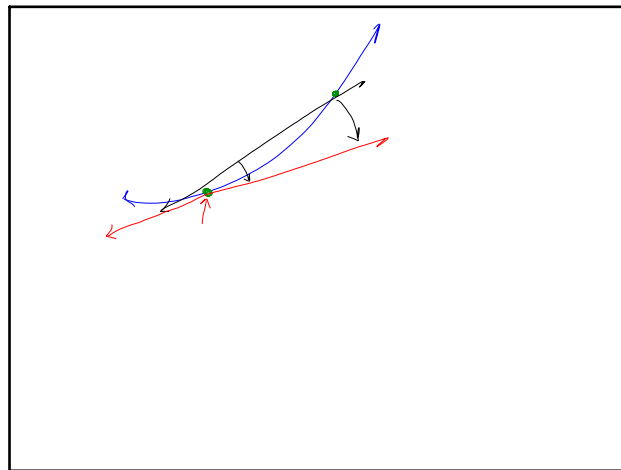
② $m = \frac{f(b) - f(a)}{b - a}$
 avg Change

③ Diff Quotient = $\frac{f(x+h) - f(x)}{h}$

Feb 13-11:02 AM



Feb 13-11:20 AM



Feb 13-11:22 AM

#10) $f(x) = 5x + 5$

Diff. Quotient $\frac{f(x+h) - f(x)}{h}$

$$\frac{-(5x+5)}{h}$$

Feb 13-11:24 AM

$f(x) = 5x + 5$

$f(-2) = 5(-2) + 5 = -5$

$f(-x) = 5(-x) + 5 = -5x + 5$

$f(x+h) = 5(x+h) + 5 = 5x + 5h + 5$

Feb 13-11:28 AM



Feb 13-11:48 AM