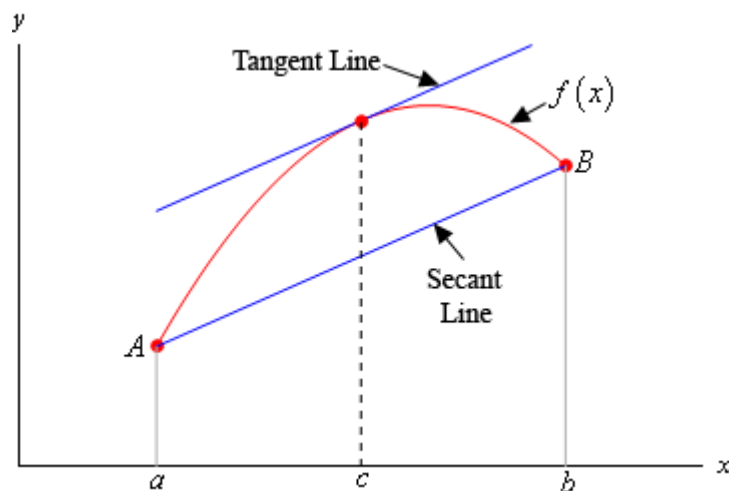


Theorems

Mean Value Theorem: Let a function f be differentiable on (a, b) and continuous on $[a, b]$, then there is at least one number ' c ' in (a, b) such that $f'(c) = \frac{f(b)-f(a)}{b-a}$.



Rolle's Theorem: Let a function f be differentiable on (a, b) , continuous on $[a, b]$ and $f(a) = f(b)$, then there exist at least one value of ' c ' in (a, b) such that $f'(c) = 0$.

