

1. A function f has point of inflection at $x = c$ if f' _____.

2. A function f has point of inflection at $x = c$ if f'' _____.

3. $\frac{d}{dx} \int_3^x B(t) dt =$ _____.

4. $(h^{-1})'(a) =$ _____

5. Write the formula for displacement of an object from $t = a$ to $t = b$: _____.

6. $\int_a^b P'(t) dt =$ _____.

7. The Rolle's Theorem says that if f is continuous on $[a, b]$ and differentiable on (a, b) , and if _____, then there must be a number c in (a, b) such that $f'(c) = 0$.

8. Write the formula for total distance traveled from $t = a$ to $t = b$: _____.

9. The Mean Value Theorem says that if f is _____ on $[a, b]$ and _____ on (a, b) , then there must be a number c in (a, b) such that $f'(c) =$ _____.

10. By definition, $\lim_{x \rightarrow a} \frac{n(x) - n(a)}{x - a} =$ _____.