Ch5 MVT

Tuesday, 5 November 2024 9:50 PM

Mean Value Theorem, and APPLUATZON! Let I be an agen interval

Let f be a function defined on 2.

Rolle's theorem,

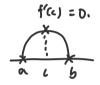
If. 1. f is continuous on [0,6]

2. f is differentiable on (n,b)

3. f(a) = f(b)

Than 3 c G (a,b) sit.

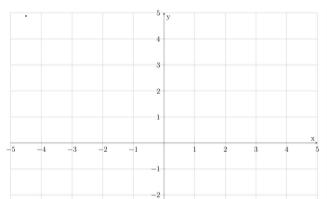
f'(c) = 0



It 4x 61, f(x) =0

THEN f is constant.

x=-3, X=I



1/2

zeros of a function.

If f(3) = 0, then 3 is zero of f.

fil | zero at most

f' 2 2005 at mass

of 3 zoros out make



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