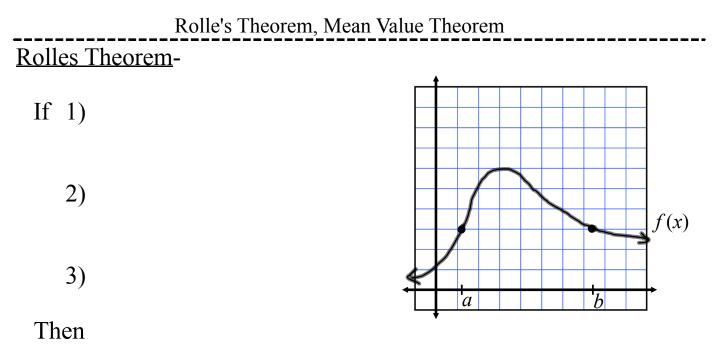
Calculus AB

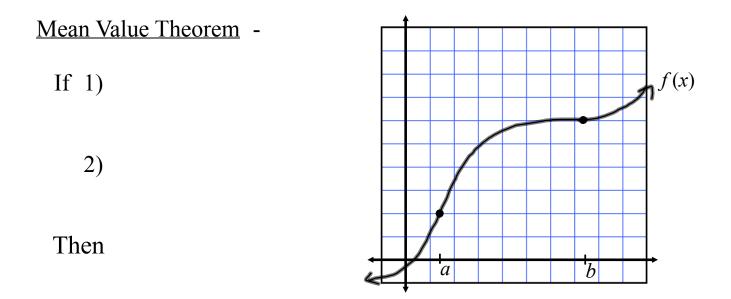
3-2



Determine whether Rolle's Theorem can be applied to f on the closed interval [a,b]. IF Rolle's Theorem can be applied, find all values of c in the open interval (a,b) such that f'(c) = 0. (pg 176)

12) $f(x) = x^2 - 5x + 4, [1,4]$

25)
$$f(x) = |x| - 1$$
, [-1,1]



Determine whether the Mean Value Theorem can be applied to *f* on the closed interval [*a*,*b*]. If the Mean Value Theorem can be applied, find all values of *c* in the open interval (*a*,*b*) such that $f'(c) = \frac{f(b) - f(a)}{b - a}$.

44)
$$f(x) = \frac{x+1}{x}$$
, [-1, 2]

Assignment:

Pg. 176 1-23 odd, 39-47 odd 59, 65