

Mini-math Div 3/4: Monday, September 28, 2020

- (1) True or false: If a function is continuous at a point a , then it must be differentiable at the point a .
- (2) True or false: If $f(a) = 0$, then $f'(a)$ must also be 0.
- (3) True or false: If $f'(a) = 0$, then $f(a)$ must also be 0.
- (4) Write an expression to compute the derivative of a function $f(x)$ at the point x , assuming it is differentiable.
- (5) Give your best estimate of the derivative $f'(3)$ given the following table of values:

x	2.9	3	3.1	3.2
$f(x)$	1.5	2	3	3.5