

True or False: If  $f(x)$  is continuous on a closed interval, then it is enough to look at the points where  $f'(x) = 0$  in order to find its global maximum and minimum.

check endpoints

$f'(x)$  undefined

Let  $f(x)$  be a differentiable function on a closed interval with  $x = a$  being one of the endpoints of the interval. If  $f'(a) > 0$ , then

(a)  $f$  could have either a global max or min at  $x = a$

(b)  $f$  cannot have a global max at  $x = a$

(c)  $f$  cannot have a global min at  $x = a$

