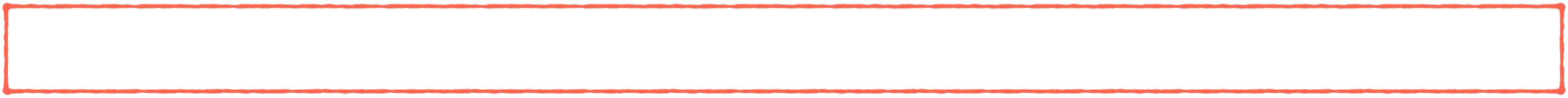
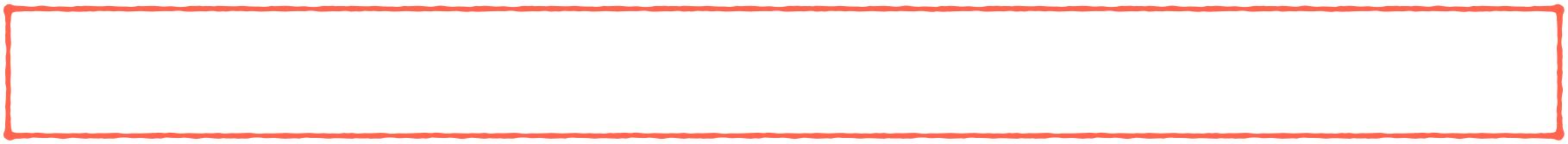
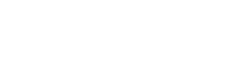


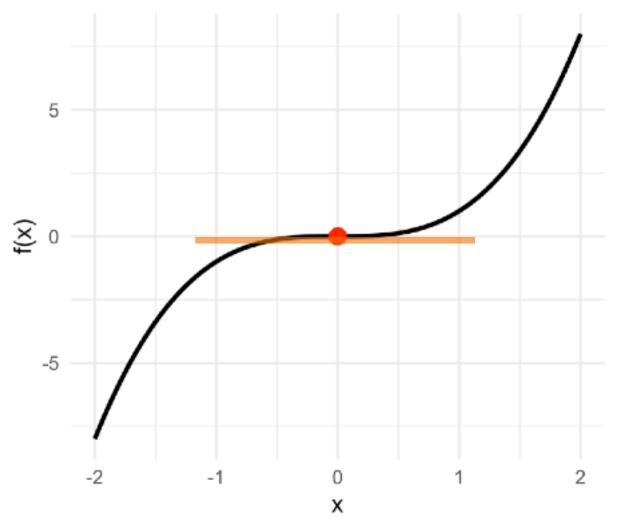
critical point





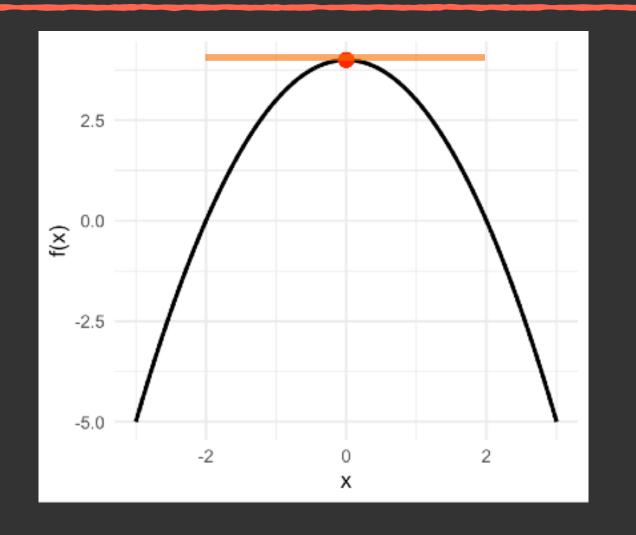


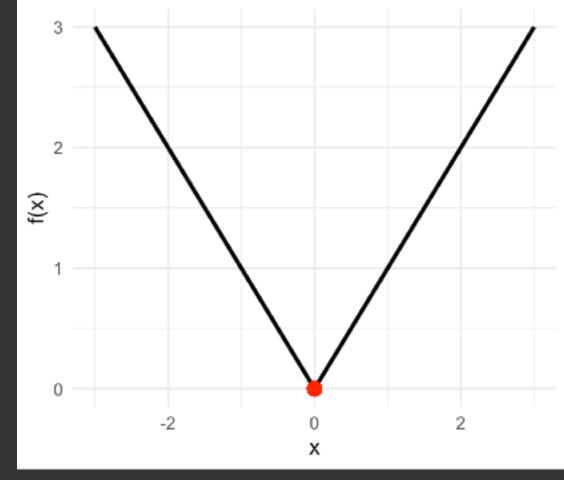




critical point

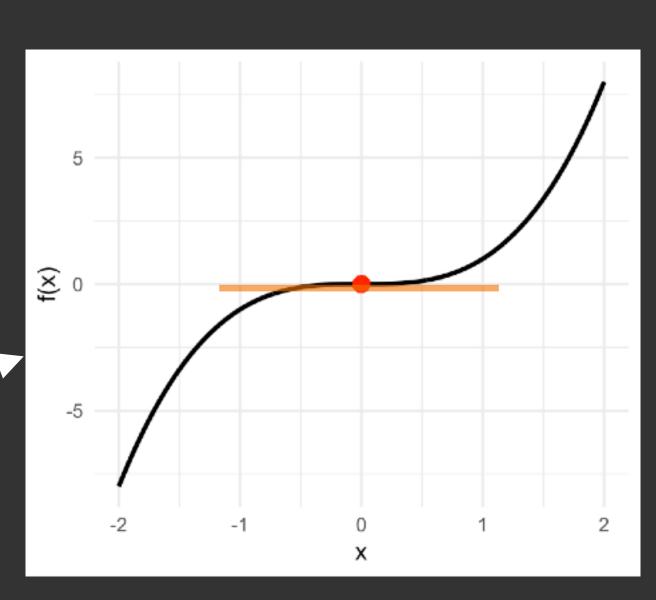
An interior point of the domain of a function f where f' is zero or undefined is a critical point of f.





If f(c) is a local maximum or minimum, then c is a critical point of f(x)

Note: the reverse does not hold, i.e., if f'(c) = 0 then f(c) = 0 is not necessarily a maximum or minimum.



finding the absolute extrema