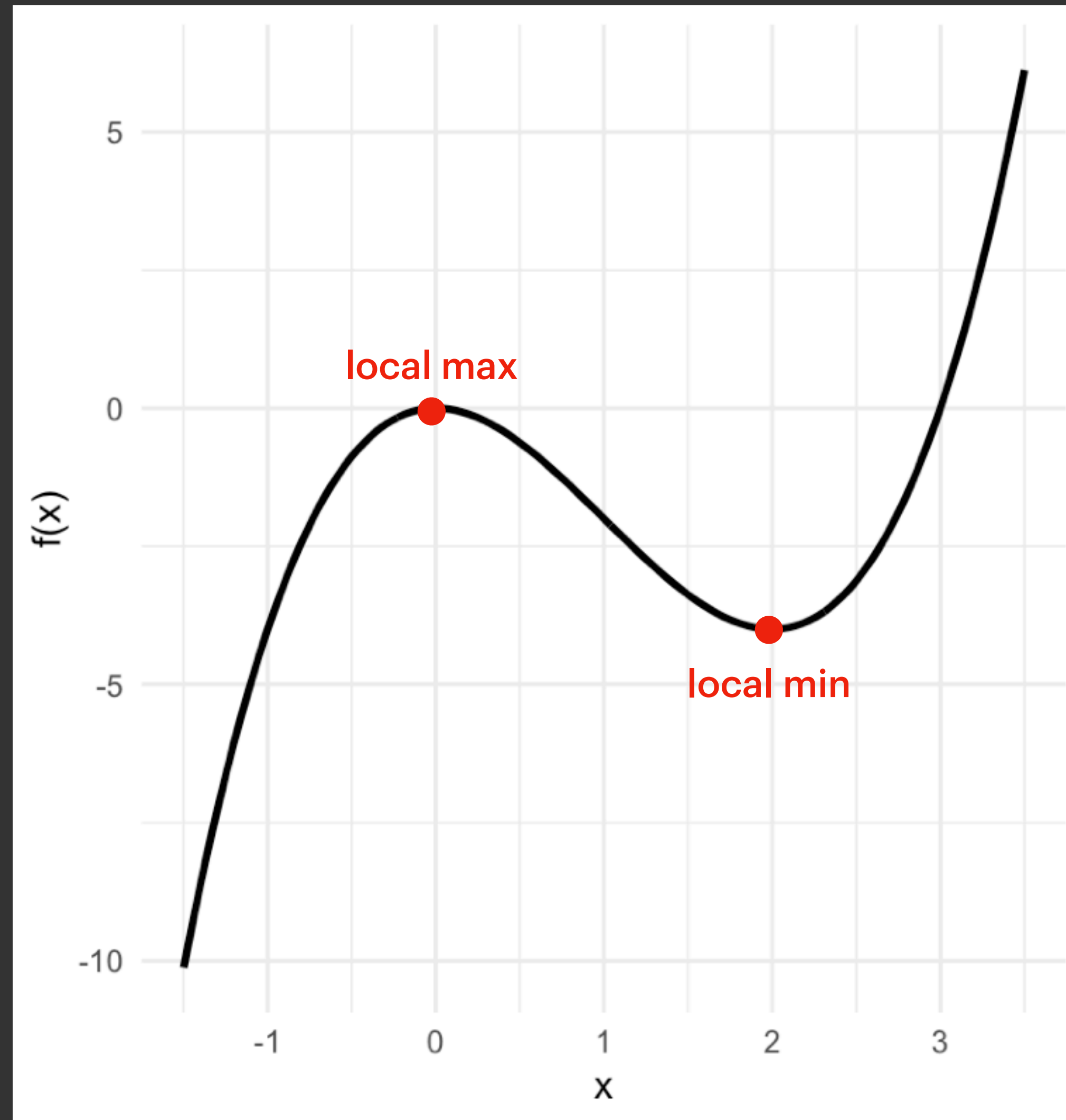


example

$$f(x) = x^3 - 3x^2$$



the first derivative test for local extreme values