Exercises

E16.2 [1CM] Find a continuous and differentiable function $f : [-1, 1] \to \mathbb{R}$ [a] whose derivative is unbounded.

Solution 1. *[1CN]*

[a] In this sense: the derivative $f'(x)$ exists and is finite for every $x \in [-1, 1]$; at the extremes $x = -1, 1$ only the right and left derivatives are calculated.