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Name:

Analysis I — Quiz 7
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Q7.1. Find the derivative (if it exists) of the function $f(x) = \sqrt{|x|}$, $x \in \mathbb{R}$.

Q7.2. Assume that the functions f and g are differentiable at the point a . Find $\lim_{x \rightarrow a} \frac{xf(a) - af(x)}{x - a}$.