Math 131
Warm-up 28

Name:

Let $f : \mathbb{R} \to \mathbb{R}$ be defined by $f(x) = \begin{cases} -x & \text{if } x \in \mathbb{Q} \\ 2x & \text{if } x \notin \mathbb{Q} \end{cases}$

Prove that f is continuous at precisely one point.