Math 131
Warm-up 35
Name:
Let $\left\{f_{n}\right\}$ be a convergent sequence in $C([a, b])$. Prove that for every $\varepsilon>0$ there is a $\delta>0$ such that for every $n \in \mathbb{N}$, if $|x-y|<\delta$ then $\left|f_{n}(x)-f_{n}(y)\right|<\varepsilon$.

