Math 131
Warm-up 33

Name:

Let $f : E \to E'$. We say f is *Lipschitz continuous* if there exists an $M > 0$ such that for all x, $y \in E$, $d'(f(x), f(y)) \leq Md(x, y)$. Prove that if f is Lipschitz continuous then f is uniformly continuous but not the converse.