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## Analysis I - Quiz 6

9.11.10

Q6.1. Is the identity map $i d:\left(\mathbb{R}, d_{2}\right) \rightarrow\left(\mathbb{R}, d_{0}\right), x \mapsto x$ continuous?
Q6.2. Let $A, B$ be compact in $(X, d)$. Show that $A \cup B$ is compact in $(X, d)$.

