

Analysis I — Quiz 6

9.11.10

Q6.1. Is the identity map $id : (\mathbb{R}, d_2) \rightarrow (\mathbb{R}, d_0)$, $x \mapsto x$ continuous?

Q6.2. Let A, B be compact in (X, d) . Show that $A \cup B$ is compact in (X, d) .