Math 111

2001-2002

Quiz 6

1. Let A and B be two sets. Show that the collection of all functions from A to B is a set.

2. Let X be a set. Recall that a binary relation R on X is a subset of $X \times X$. Let E be an eqivalence relation on X. Show that the collection of all the equivalence classes of X under E (i.e.the object $\{[x] \mid x \in X\}$) is a set.