HW1

Due 12 February 2009 in Recitation Hour

Note that 5 of the following questions will be graded.

1. Show that integers is a ring with usual addition and multiplication. However, it is not a field.

2. Give an example where you use axiom of choice and a nontrivial example where you do not need Axiom of Choice. (Note: Do not bring examples from Algebra or advanced staff.)

3. Find some representatives for the real numbers, $e, \pi, \sqrt{3}$.


