Homework 0 Due: Friday, January 19

M673: Algebraic geometry

Spring 2007

- 1. Let $R = \mathbb{Z}/6$.
 - (a) Describe all points of |Spec R|.
 - (b) Evaluate the function $5 \in R$ at each point of $|\operatorname{Spec} R|$.
- 2. Describe all points of Spec $\mathbb{Q}[x]$.