COMMUTATIVE ALGEBRA HW 8

 JC

Due in class Fri 23 September.

- (1) Read the handout on functors and naturality.
- (2) It is a standard fact that for every finite dimensional VS V, V is isomorphic to the dual space V^* . Prove that there is no natural family of isomorphisms $\alpha_V : V \simeq V^*$.