

MATH 602 (Homological Algebra)  
Assignment #7: Basics of Cohomology of Groups

Prof. Jonathan Rosenberg

due Friday, April 20, 2007

1. Do Exercises 6.2.3 (page 169), 6.7.4 (page 193), and 6.7.5 (page 193) in Weibel.
2. Show that  $H^*(C_2; \mathbb{Z}/2)$  has a different structure; it is simply the polynomial ring  $(\mathbb{Z}/2)[\sigma]$  with  $\sigma \in H^1$ .