AMAT 327(Z): Elementary Abstract Algebra, Spring 2012 — Quiz # 23 (Last Quiz!), May 3

Name: ....

- Complete the following definition. A function $f \colon G \to G'$ between groups G and G' is a *homomorphism*

  if ....

  ....

  An *epimorphism* is a surjective homomorphism.

- Prove that if G is abelian and $f \colon G \to G'$ is an epimorphism, then G' is abelian.