

Homework #2

Revision Problem

Name: My Name Goes Here

Let G be a group with identity $e \in G$. Suppose that $g^2 = e$ for all $g \in G$.

- (a) What can be said about inverses of elements in G ? What can be said about orders of elements?

MY ANSWER GOES HERE.

- (b) Prove that G must be abelian.

Suppose that $g^2 = e$ for all $g \in G$ and let $a, b \in G$. We have... Therefore, G is an abelian group.