TUTORIAL QUESTION FOR ALGEBRAIC STRUCTURES - WEEK 3

3.1. Let G denote the set of all 2×2 real matrices with determinant equal to 1. Show that G is a group with respect to multiplication.

3.2. Let G be a group such that $x^2 = e$ for all $x \in G$. Prove that G is abelian.

Date: 12th October 2016.