Instructions. Write all answers clearly on one piece of paper, and put all group members’ names on the top of the paper. If you talk, you must do so very quietly! Time limit: 5 minutes.

1. Explain where the group is hiding inside of a ring.

2. (TRUE/FALSE) If $R$ is a ring, then multiplication commutes in $R$.

3. (TRUE/FALSE) There exist rings with arbitrarily many multiplicative identities.