

Homework No.1 for Math 3121

Please submit your work to the TA of **your** tutorial section on Sept 18 or Sept 20. Late submissions will get **no** credit.

Problem 1. page 46, problems 11. 12. 13. 14. 15. 16. 17. 18. (just answer "yes" or "no", no reasons needed.)

Problem 2. Let $(G, *)$ be a group. If $a, b \in G$ satisfies

$$abab = e,$$

prove that

$$baba = e.$$