

- From Section 3 (Friday):
 - Please solve Exercises 3.7 and 3.12 from the textbook.
 - Prove that if $(G, *)$ is a group with identity e , and f is a left identity for G , then $f = e$.
- From Section 4, Order and the Euclidean Algorithm (Monday):
 - Please solve Exercises 4.15 (a), 4.21, 4.22, and 4.23 from the textbook.
- From Section 4, Cyclic Groups (Wednesday):
 - Please solve Exercises 4.3 and 4.25.
 - An abstract algebra teacher intended to give a typist a list of six integers that form a group under multiplication mod 35. Instead, one of the integers was inadvertently left out, so that the list appeared as 1, 6, 11, 16, 31. Which integer was left out?

Please prove that your completed list of integers forms a group. *Hint:* It's a cyclic group!

* Exercise 4.24