Group Theory Notes

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These notes are not necessarily correct, consistent, representative of the course as it stands today or, rigorous. Any result of the above is not the author's fault.

0   Notation

We commonly deal with the following concepts in Group Theory which I will abbreviate as follows for brevity:

Term	Notation
Additive identity of set X	0_X
Multiplicative identity of a set X	1_X

Contents

1 Fundamentals