

# Math 200a Fall 2020 Homework 2

Due 10/16/2020 by 7pm on Gradescope

*Reading:* Finish reading Chapters 2 and 3. Review the notes about free groups and presentations from class (10/14 and 10/16 lectures). If you would like to read a treatment of this topic in another textbook, you can find one in Section 6.3 of Dummit and Foote, or the beginning of Chapter 11 of Rotman's book "An introduction to the theory of groups". You will also find various sources online. Exercises about presentations will appear on the next homework.

*End of Chapter Exercises from Isaacs to write up and hand in:*

**Chapter 2:** 2.7, 2.8, 2.9, 2.16, 2.21.

**Chapter 3:** 3.1, 3.2, 3.9, 3.12, 3.13.