This homework is **due at 9pm on Friday, February 7**. When you submit your homework, please make sure that your writing and scan are clear and legible.

Write complete solutions or proofs to the following problems. Numbered chapters and problems refer to Eccles’ book. Before you attempt a problem, make sure you have read your lecture notes and the corresponding parts of the chapter in the textbook.

**Chapter 9 Exercises:** 9.5

**Chapter 10 Exercises:** 10.1, 10.2

**Chapter 11 Exercises:** 11.1

**Problems III:** 1, 3, 4, 8, 12, 14