

Due at the beginning of class Wednesday, March 12.

Read the rest of Section 5.6, and also Sections 5.3, and 5.4 and work the following problems:

Chapter 5: #30, 33, 34, 37, 38, 40, 42 (Grad: #32, 34)

Read Section 6.1 and work the following problems:

Chapter 6: #1, 2, 3

Also, do the following exercise:

Project Prep #1: Investigate one of the combinatorial collections on [findstat.org](http://findstat.org). (On the main page, click on 'wiki' next to the combinatorial collection of your choice, and see what's on the wiki page. Also, go to the 'statistics finder' and 'statistics database' tabs.) Write a paragraph stating some things you were able to learn about your combinatorial collection from this website. Be sure to mention at least one statistic. Write down at least one question you still have about these objects. *NOT* finite cartan types.