So I’m not going to ask you to pass in anything for homework 6. Please work on your proof portfolios and get them done.

You should be comfortable with problems 7.1, 7.2 and 7.5 from Sipser. You don’t need to pass them in, but things like this could show up on the final.

You should know:
• how to show a language is in P
• how to show a language is in NP
• how to show a language is in NP-complete

For example, I won’t necessarily require you to do a difficult reduction between two NP-complete problems on the final (these problems will be there but you will have choices). I do want you to know that we prove a problem is NP-complete by taking a known NP-complete problem and giving a polynomial-time reduction from that problem to the problem in question.

If you are bored, you can do any problem from the PROBLEMS section of Chapter 7 that doesn’t have a solution in the SELECTED SOLUTIONS. You can and add it to your proof portfolio. 5 points for an unstarred problem and 10 points for a starred problem.