Homework Sets

Due Date  Propositions
1. Jan. 24  1.8, 1.11 (choose three parts), 1.16, 1.18, 1.24.
2. Jan. 31  2.3, 2.9, 2.7(iv), 2.10, 2.18(iii), 2.21, 2.23, 2.27
3. Feb. 9   2.33, 2.34, 3.1(i) and (ii), 3.2(i) and (ii). On 3.2, give a proof if the statement is true, or a counterexample if the statement is false.
4. Feb. 14  3.3 (no proofs), 3.7 (no proofs), 4.5, 4.7 (choose two parts).
5. Feb. 28  4.6(iii), 4.8, 4.11(ii), 4.17, Bonus: 4.3
6. Mar. 9   5.3, 5.11, 5.15, 5.20(i), 6.5, 6.6, 6.7(i),(iii),(v). (Note: on 5.3, the first sentence should be understood as “Consider the following sets.” The actual questions are parts (i), (ii), and (iii).)
7. Mar. 14  6.16, 6.17: choose one of 6.13 or 6.18. If you choose to do 6.13, you must give a different proof from the one I did in class. (You could follow the hint given in the textbook.)
8. Mar. 21  6.19, 6.25, 6.28, 6.33, 6.35, Bonus: 6.27. (Reminder: you can only use statements that appear earlier in the book than the statement you’re trying to prove. In particular, you can’t use 6.32 to prove 6.28!)
9. Apr. 4   Separate handout
10. Apr. 11 9.3 (don’t give proofs; just say injective, surjective, bijective, or neither); 9.7(ii) and (iii), 9.11, 9.12, 9.13(i).
11. Apr. 25 Separate handout

Tentative Class Presentation Schedule

Jan. 21 Loukas, Nichols
Jan. 28 C. Davis, Li, Stelly
Feb. 7  Bush, Larrimer
Feb. 11 Mendez
Feb. 18 Derbins, Franks, Stump, Stephens
Feb. 25 Bryan, Doherty, Pickard
Mar. 4 Clark, Oglesby, Otillio, Watkins
Mar. 11 Naquin
Mar. 18 Do, Leblanc, Petit
Mar. 25 Barnett, M. Davis, Wheeler
Apr. 1  Hirschmann
Apr. 8  Murray, Smith, Planchard, Watters
Apr. 15 Lawson, Naugle, Posey
Apr. 22 Spring break
Apr. 29 Adkinson, Daigle, Voss
May 6  Last day of classes