

3450 Test 1 Study Guide

The test covers HW 1, HW 2, HW 3 (Part 1).
See the website for how HW 3 is broken into two parts.

Computations:

- Set builder notation.
See HW 1 problems 1-9.
- Basic computations with sets.
See HW 2 problem 1, 13.
- Computations with families of sets.
See HW 2 problems 8, 9.
See Hammock 1.8 problems 1, 3, 5, 6, 7, 9.
- Computations with equivalence classes.
See HW 3 problems 2(a,c,d), 3(a,c,d), 8(a,b,d), 9(a,b,d).
See Hammock 11.2 problem 3.
See Hammock 11.3 problem 1.
- **Modulo n computations.**
See HW 3 link to 446 HW 4 problems 1,3,4,5.

Proofs:

- Proofs with sets.
See HW 2 problems 2,3,4,5,6,7,10,11,12,14,15,16.
See Hammock Ch. 8 problems 1,3,5,7,13,15,17,21,25.
- Proofs with equivalence classes.
See HW 3 problems 1, 2(b), 3(b), 8(c), 9(c).
See Hammock 11.2 problem 15.
- **Proofs with modulo n**
See HW 3 link to 446 HW 4 problem 16.