

3450 Test 2 Study Guide

The test covers part of HW 3 and all of HW 4.

Topics broken down:

- Modulo n computations.
See link to Math 4460 HW 4 problems # 6,7,9(b).
- Computing the image and preimage of a set under a function.
See HW 4 problem # 11,12,13.
See Hammock 12.6 problem # 1.
- Computing the composition of two functions.
See Hammock 12.4 # 7, 9.
- Proofs involving images and preimages of sets under a function.
See HW 4 problems 14.
See Hammock 12.6 problem # 7, 11.
- One-to-one, onto, inverse function problems.
See HW 4 problem 1, 2, 3, 8, 9, 10.
See Hammock 12.5 # 6.
- Misc problems on functions (well-defined, 1-1, onto, inverse, composition)
See HW 4 problem 4, 5, 6, 7.
- Determining if an operation is well-defined or not. Proving if it is.
See HW 3 problems 4, 5, 6, 7, 8(e), 9(e,f)
- Misc proofs.
See HW 4 problem 15.
- Proofs with modulo n .
See link to Math 4460 HW 4 problems 8,11.