Math 4460 - Test 1 Study Guide

Test 1 covers: HW 1, HW 2

There will be at least one proof directly from the HW on the test. The computations will be similar to homework computations.

Computations to know:

- Calculating the GCD HW 2 - #1, 2
- Euclidean algorithm to calculate the GCD <u>Definitely know this</u>
 HW 2 - #3
- Euclidean algorithm to solve ax + by = c
 Definitely know this
 HW 2 # 4

Proofs:

Some particularly good proofs to know are below.

- Division proofs
 HW 1 # 1, 2, 3, 4, 5, 6, 8, 12
- Composite / primesHW 1 # 7, 10
- GCD HW 2 - # 5, 6, 7, 8, 9, 10, 11, 12, 13