

- Sign up for next round of presentations ASAP
 - ↳ Wednesday presenters contacted by 2 pm
- Exam 2 returned later today

• Are we making progress towards our goals?

proof-writing ✓

writing math ✓

public speaking ✓

• Are your expectations being met?

open communication ✓

• Is there anything you would like to change?

• More introduction to topics before HW.

• More time to work in breakout rooms.

Shorter exam

• Occasional example solutions

• More clarity about correctness/completeness of presented proofs

• Post iPad notes

• Do you have any new goals or expectations?

• More availability for office hours.

↳ MW 3-4 pm

Thur 11am-12pm

Grading

- Numbers are lower bound
- I want to see effort, participation, and improvement
- You will have the opportunity to advocate for yourself.

Some concerns about HW

- Complete sentences
- Use and cite theorems we've already proved.
 - ↳ esp. with recent theorems
 - + "big" theorems

Ex: Thm 1.1: If $a|b$ and $a|c$, then $a|(b+c)$.

↳ Maybe don't have to always cite this

Thm 1.45: If $ac \equiv bc \pmod{n}$ and $(c, n) = 1$, then $a \equiv b \pmod{n}$

↳ Good idea to cite this

- fairly recent
- haven't used it much
- it took a lot of work

- Original work, work together appropriately

Primes

Recall: A natural number p is prime if $p > 1$ and the only divisors of p are 1 and p .

A natural number which is not prime is called composite.

$$n \text{ composite} \iff n = kl$$

$$\text{where } 1 < k < n$$

$$1 < l < n$$

Sieve of Eratosthenes:

1	(2)	(3)	4	(5)	6	(7)	8	9	10
(11)	12	(13)	14	15	16	(17)	18	(19)	20