

Math 351 Test 1 Info

Feb 26

1. proof of uniqueness: Thm 2 or 3

2. proof of divisibility:

practice: Thm 9, 10, 11.

similar book problems

pg 14-16 # 4, 17 (ignore hint), 27
3, 6, 13a, 22

3. Other proof (probably): Thm 1, 4, 5

4. Dihedral group questions

• Assn 1 # 1-4

• how many elements in D_n ?

• Give an example in D_n of two different elements that are commutative?

• Give an example in D_n of elements that are not commutative.

• Draw the result of $r^2 v$ in D_n .

5. Associative law: Assn. 1 probs 7, 8

and textbook pg 182 # 17,

6. Prove or disprove groups / subgroups (Assn 2)

(7. Mod number Theorems 16, 18)

(8. solve equations w/ mod numbers:

9. Find inverses in \mathbb{Z}_n

p. 41 # 1,

p. 201 # 9)

p. 37 # 3, 4, 5, 7

HW due

Fri.