

## MATH 210 Final (0.3 - 1.6) Review

1. Know the definition of divisible, prime, composite, relatively prime and even and odd numbers.
2. Know the definition of sets, subsets, and know the operations on sets.
3. Know how to prove set equality using Venn diagrams, Truth tables, and element chasing.
4. Know the definition of function and relation.
5. Know the definition of and how to determine if a function is one-to-one (injective), onto (surjective), and bijective function.
6. Know the relations on a set  $A$  and their properties.
7. Know how to draw a digraph for a relation on  $A$ .
8. Know equivalence relations/classes.
9. Know how to determine a partial ordering and draw a Hasse diagram.

Example exercises: Quiz & Homework questions;