

For the quiz, you might be asked to...

- Decide whether a relation is (or is not) reflexive, symmetric and transitive, and explain your reasoning. (see 2.2 # 1-12)
- Prove that congruence with a specific mod base is an equivalence relation (see Feb 21 HW)
- Prove that a relation on ordered pairs is an equivalence relation (see 2.2 # 17, 18)
- Find elements that are in the same equivalence class as a given element (this is a partial solution to the question of describing an equivalence class see 2.2 # 13-18)
- Show how you know that two integers are congruent with a particular mod base. (3.1 # 19-16)
- Compute addition and multiplication in a particular mod base. (3.1 # 17-32)
- Compute exponents in a particular mod base (3.1 # 33-36 and 3.3 # 1-4)