Directions:

- Print out this piece of paper and use it as a cover sheet. Write your name in the upper right hand corner.
- Your homework should be stapled and each problem should occur in order.
- Do not hand in scratch work.
- Homework is due at the start of class.

1. Practice problems (not to be handed in)

1. Revisit each definition given in Chapter 8. Make sure you can duplicate each of these.
2. Is the relation $R = \{(1,1),(2,2)\}$ a reflexive relation on the set $A = \{1,2,3\}$? What about on the set $B = \{1,2\}$?

2. Problems

1. Finish reading Chapter 8
2. Textbook exercises: 8.2, 8.8, 8.11, 8.12, 8.13, 8.14, 8.18, 8.19