Homework 03 grading guidelines

1. a. 10 points
   b. 10 points
   -1 point for each mislabeled transition. 0 points if incorrect.

2. a. 10 points
   b. 10 points
   -1 point for each mislabeled transition. 0 points if incorrect.

3. a. 10 points
   b. 10 points
   Proof has to be correct, with pumping lemma. If the conclusion is missing, -1 point.

4. a. 10 points
   b. 10 points
   Proof has to be correct, with pumping lemma. If the conclusion is missing, -1 point.

5. a. 10 points
   b. 10 points
   Proof has to be correct, with pumping lemma. If the conclusion is missing, -1 point.

6. c. 3 points
   e. 4 points
   f. 3 points
   g. 3 points
   i. 4 points
   j. 3 points
   You lose points if you say Pumping length = 0 for c. and i.

7. 5 points for proving that the subset of a regular language need not be regular.
   5 points for proving A-B is regular.
   5 points for proving B need not be regular
   5 points for proving B need not be regular