Due: Friday, September 10, 2010	
Name (Print)	CSE Login
Name 2 (Print)	CSE Login

Instructions Follow instructions carefully, failure to do so may result in points being deducted.

- The homework can be submitted on paper or via handin. Homework *neatly* formatted in LATEX will receive a 6 point bonus. You will not receive the 6 points bonus if you work with a partner (see below).
- Clearly label each problem and submit the answers in order.
- Staple this cover page to the front of your assignment for easier grading.
- Late submissions will not be accepted.
- Show sufficient work to justify your answer(s).
- When you are asked to prove something, you must give as formal, rigorous, and complete a proof as possible. Each step in your proof must contain explanation that would allow us to understand what theorem/logic you have applied to arrive at that step.
- You are to work individually, and all work should be your own. Check partner policy below.
- The CSE academic dishonesty policy is in effect (see http://cse.unl.edu/ugrad/resources/academic\_integrity.php).

Partner Policy You may work in pairs, but you must follow these guidelines:

- 1. You must work on all problems together. You may not simply partition the work between you.
- 2. You must use LATEX and you may divide the typing duties however you wish.
- 3. You may not discuss problems with other groups or individuals.
- 4. Hand in only one hard copy with both author's name.

Problem	Page	Indications	Points	Score
1.2:18	29	Using logical equivalences	5	
(Bonus) 1.2:20	29	Using truth tables	3	
1.2:24	29	Using logical equivalence	5	
1.2:26	29	Using logical equivalence	6	
1.2:30	29	Using truth tables	4	
(Bonus) 1.2:60	30	Using truth tables	9	
1.3:8	47		4	
1.3.14	47	Justify your answers	4	
1.3:20	47		5	
1.3:28	48	*	15	
1.3:32 (a), (c), (e)	48	*	18	
Total			66	
Typesetting (bonus	s)		6	

<sup>\*</sup> Define the predicates and universe(s) of discourse.