Homework 2

(CS 1101) Discrete Structures 1

SECTION 1.1 Propositional Logic:

1. Page 13

12. Page 14

13. Page 14

14. Page 14

19. Page 15

26. Page 15

33. Page 16

36. Page 16

37. Page 16

SECTION 1.2 Applications of Propositional Logic

45. Page 26

47. Page 26

SECTION 1.3 Propositional Equivalences

2. Page 38

7. Page 38

12. Page 38

14. Page 38

24. Page 38

30. Page 38

34. Page 38

SECTION 1.4 Predicates and Quantifiers:

SECTION 1.5 Nested Quantifiers:

SECTION 1.6 Rules of Inference: