

CS 40 (Fall 2015) – Foundations of Computer Science  
Due at 4:00pm, Friday, Oct. 23rd

## Homework 3

*Instructor: Huijia Lin*

*TA: Abhabongse (Plane) Janthong, Shiyu Ji*

**Your name and section go here**

**Total 180 pts**

### **Part 1 — Propositional Logic (70 pts)**

Problems 2, 6, 10, 18, 48 in Section 1.1 in the textbook.

**Point assignment:** 10 and 48 has 20 pts and all other problems have 10 pts.

### **Part 2 — More on Propositional Logic (30pts)**

Problems 32, 40 in Section 1.2 in the textbook.

**Point assignment:** 32 have 20 pts and all other problems have 10 pts.

### **Part 3 — Propositional Equivalence (60pts)**

Problems 6, 10, 18, 26, 40, 44 in Section 1.3 in the textbook.

### **Part 4 — Propositional Inference (20pts)**

Problems 2, 4 in Section 1.6 in the textbook.