

CS2305 Fall 2015 Homework 1
5 points each part, except as noted.

1.1.12 a-f

1.1.14 a-f

1.3.10 a (10 points)

1.3.12 a (10 points)

(Part a is straightforward enough to solve by repeated use of the logical equivalences discussed in class; this is not necessarily true for the others.)

1.6.4 a-e

1.6.6 (10 points)

(You can use logical equivalences in addition to rules of inference.)

(Hint: try finding the contrapositive of the first premise. Alternately, you may find it useful to use absorption “in reverse”.)