Discrete Mathematics Homework 1

This homework assignment is due by midnight of 10/26. Please upload your homework to eeclass. 50% penalty will be applied if it is submitted on 10/27. No submission will be accepted after 10/27.

The following questions can be found at the end of each section in the textbook.

Section 1.1

6 a, b, c, d, e,

10 a, b, c, d, e

28 a, b, c

Section 1.2

10

20

Section 1.3

8 (Please use logical equivalences to show it.)

14 (Please use logical equivalences to do it.)

36

Section 1.4

8 a, c

14 b, d

22 b, d

34 a, c

46

50

Section 1.5

12 a, d, g, j, m

20

28 a, d, g

40

Section 1.6

12

20

28

Section 1.7

10

16

24

Section 1.8

10

20

Section 2.1

26

Section 2.2

18 a, c, e

38

48

Section 2.3

6 a, c, e

22

38

54