

Cosc 2150
Due: Apr 24, 2019

Homework 8
20 points

Write out the truth table and circuit for following. (10 points each)

1. A circuit with 3 inputs (A,B,C) and 3 outputs (D,E,F).
Output D is turned on when at least one input is off.
Output E is turned on when exactly two inputs are off.
Output F is turned on when all three inputs are off.
NOTE: Off=0, On=1

2. A circuit with 2 inputs (A,B) and 2 outputs (D, E)
Output D is turned on when A and B are not the same value
Output E is turned on when A and B are the same value

Turn in:

A report, which includes the following

1. title page:

Cosc 2150
Homework #8
Section #
your Name

in large font at the top of the page. At the bottom of the page, include a non-empty statement of help delivered and help received. It is OK to state that no help was given or received. It is **NOT** ok to omit the statement of help.

1. The truth table **and** circuit diagram for question 1 & 2
They can be typed or hand written.