

Introduction to Digital Computing

Homework # 3 – Combination of Logic Circuit

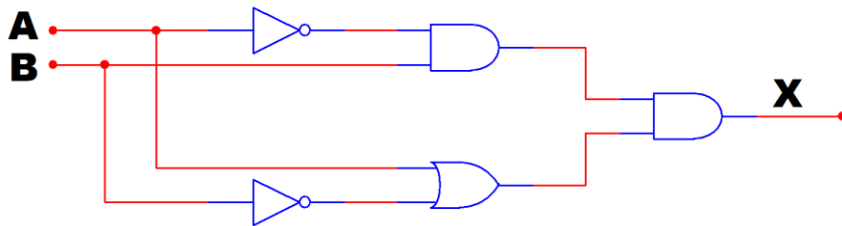
Student's Name _____

Instructions:

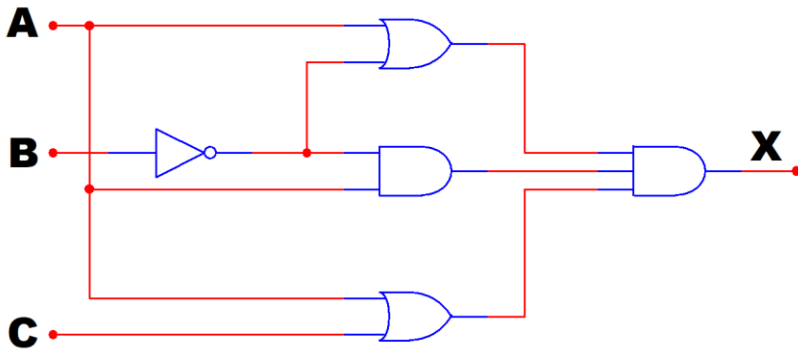
- Show all work to receive full credit. Box or circle the answer

Question 1: Find the Boolean equation of output X

a)



b)



Question 2: Sketch the logic circuit of the following SOP equations:

a) $\bar{A}BC + AB\bar{C}$

b) $A\bar{B}\bar{C} + \bar{A}BC + \bar{A}\bar{B}C$

c) $A\bar{B}C + B\bar{C} + \bar{A}B$

----- Homework 3 Ends Here -----