

Homework # 3 – Combination of Logic Circuit

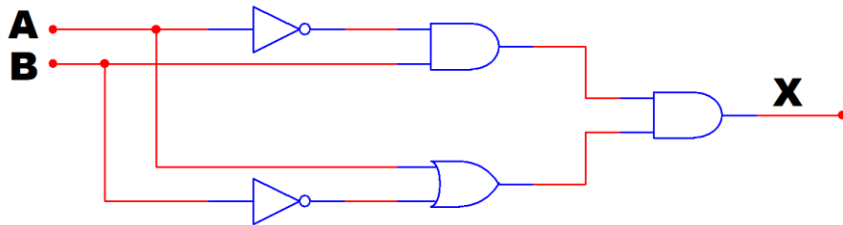
Student's Name _____

Instructions:

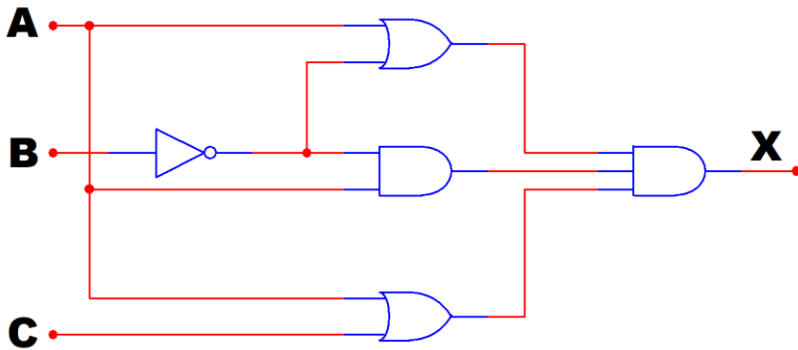
- Show all work to receive full credit. Box or circle the answer
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Question 1: Find the Boolean equation of output X

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

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