ENGR338 Quiz 4

1. Draw the stick diagram layout of the following logic circuits. (50 points)

a. (AB + CD)E + AB = ABE + CDE + AB = ABCE+1)+CDE = AB+ CDE

b. $\overline{AB + CDE + BC}$

2. (a) Use truth table and K Map to find the gate-level schematic of the 2-1 MUX (must be static-1 hazard free). (b) Draw the diagram of the 3-bit add/subtractor that uses FAs and MUXes and the control bit. (50 points)

Refer la 3/22 lecture/videos and notes