Name _____ **CM** _____   **Due date:** <u>Friday Sept 5</u>
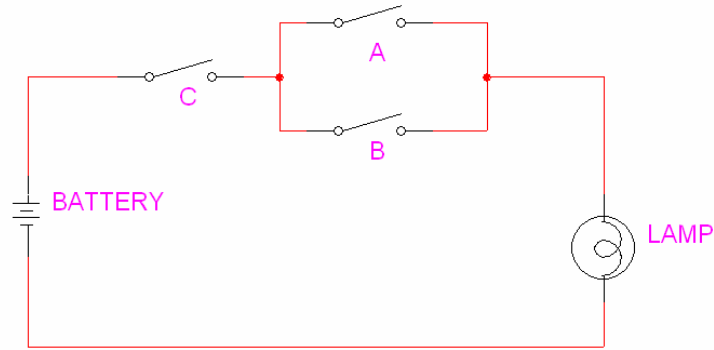
ECE130-01   Homework #1 (Switching circuit) Fall 2003

1. Fill in the logic function table for the circuit below. The switches have two states: open and closed. The lamp has two states: off and on.

A	B	C	LAMP
Open	Open	Open	Off

2. Draw a switching circuit with four switches A, B, C and D, one battery and one lamp L that implements this logic expression: L = (A OR B) AND (C OR D).

3. Turn this in at my office (C209) before class on Friday.