

# Math 2013 - Introduction to Discrete Mathematics

Quiz #1 - 2005.08.24

Name: \_\_\_\_\_

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1. Draw a switching network corresponding to the following symbolic statement.

$$[A \wedge (C' \vee B)] \vee C' \vee [C \wedge B]$$

2. Using a truth table, determine whether or not the switch from problem 1 is open or closed. If it is closed, list all the possible combinations of values of  $A$ ,  $B$  and  $C$  which make the switch closed. Remember that a value of 1 corresponds to a true, and 0 to false.