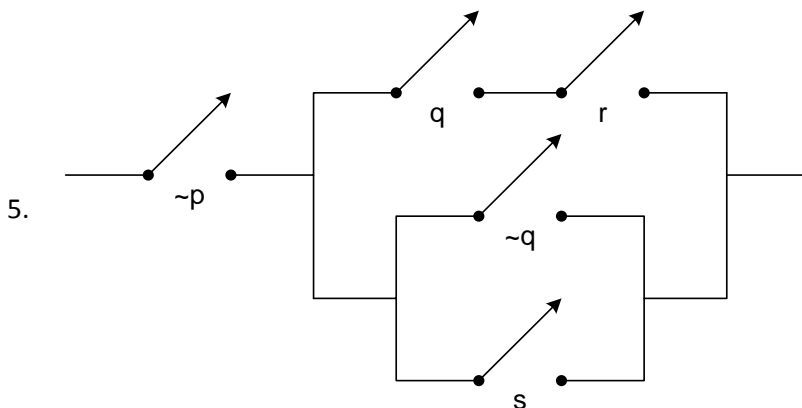
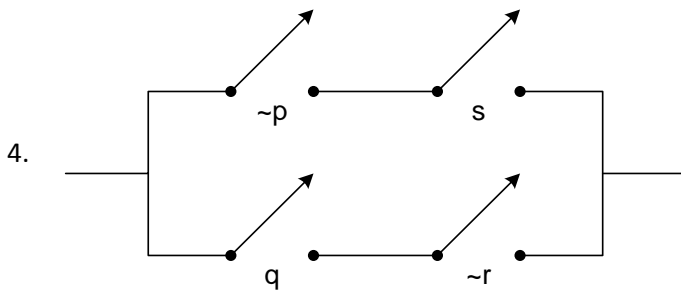
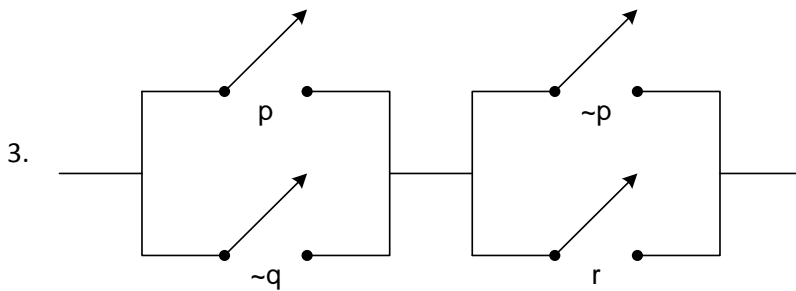
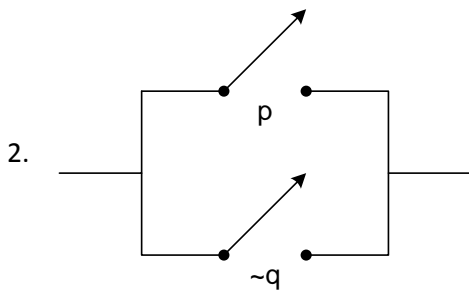
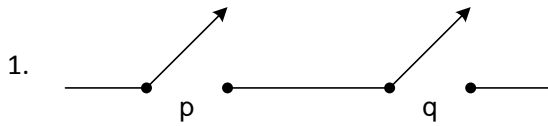


# The Conditional and Circuits II

## Contemporary Math (MAT-130)

Write a logical statement representing each circuit.

Draw circuits representing the following statements.



6.  $p \wedge (q \vee \sim r)$
7.  $p \rightarrow (q \wedge \sim r)$   
Hint: change  $\rightarrow$  to  $\vee$
8.  $(p \vee \sim r) \vee (\sim q \wedge r)$
9.  $q \wedge [p \vee (r \wedge s)]$
10.  $(p \vee q) \vee (r \vee \sim q)$

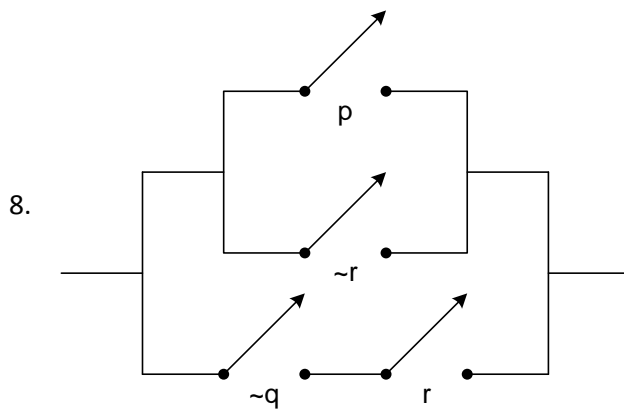
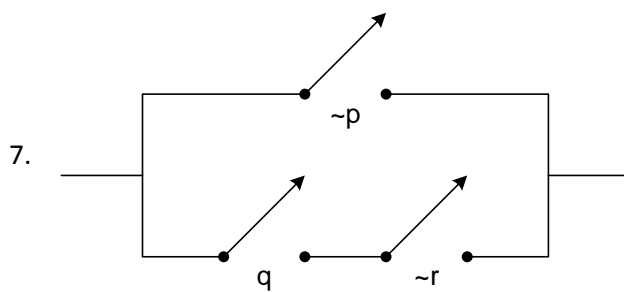
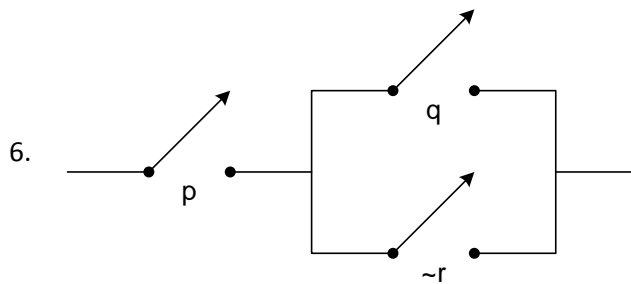
# The Conditional and Circuits II

## Contemporary Math (MAT-130)

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**Solutions:**

1.  $p \wedge q$
2.  $p \vee \sim q$
3.  $(p \vee \sim q) \wedge (\sim p \vee r)$
4.  $(\sim p \wedge s) \vee (q \wedge \sim r)$
5.  $\sim p \wedge [(q \wedge r) \vee (\sim q \vee s)]$



# The Conditional and Circuits II

*Contemporary Math (MAT-130)*

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