

## QUIZ 2

Name \_\_\_\_\_

1. Construct a truth table for the following compound statement. (Each of  $p$ ,  $q$  and  $r$  are primitive statements.)

$$(p \rightarrow q) \rightarrow r$$

2. Determine all truth value assignments for  $p, q, r, s$ , and  $t$  which cause  $[(p \wedge q) \wedge r] \rightarrow (s \vee t)$  to be a true implication.

3. Negate and simplify the following statement.

$$p \vee q \vee (\neg p \wedge \neg q \wedge r)$$