

Name _____ Discrete I, Quiz 4

Determine which of the following arguments below are valid.

1. If I go downtown, then I go shopping. I went downtown. Therefore I went shopping.
2. If I go downtown or go to Little Rock, then I go shopping. I went shopping. Therefore if I don't go downtown, then I must have gone to Little Rock.
3. Assume $p \Rightarrow q$ and $\neg q$. Therefore $\neg p$.
4. Assume $p \wedge \neg p$. Therefore q .
5. Assume $p \vee q$ and $\neg p$. Therefore $\neg q$.