1. True or False? The statement below is DNF. (5 pts.)
\[(p \land \neg q) \lor r\]

2. Simplify the following statement. If it is a tautology or contradiction, you must say which for full credit on this problem. (5 pts.)
\[[(p \land q) \rightarrow r] \lor (p \land \neg r)\]

3. Determine the validity of the argument. You must clearly justify your answer for full credit. A correct response with little or no justification will not receive full credit. (10 pts.)
\[p \rightarrow r\]
\[\neg p \rightarrow r\]
\[\therefore r\]