Satisfiability

For each of the following expressions, determine if it is satisfiable or not satisfiable. If it is satisfiable, determine if it is a tautology.

1. $(A \land B) \to A$
2. $(A \land B) \to \neg A$
3. $(A \land B) \leftrightarrow A$
4. $(A \to B) \land A \land \neg B$
5. $A \to \neg A$