1. Give examples of two simple statements that are true.

2. Give examples of two simple statements that are false.

3. Give an example of an open sentence.

4. Choose one of your statements from part 1, call it statement P.

Choose one of your statements from part 2, call it statement Q.

a. Form the conjunction: P and Q in words. Is this statement true or false? Explain.

b. Form the disjunction: P or Q in words. Is this statement true or false? Explain.

5. Choose two appropriate statements from your answers to 1 and/or 2 to form a disjunction that is false.
6. Give an example of Reasoning based on Intuition.

7. Use Inductive Reasoning to make a conclusion from the following:

Several movies directed by Lawrence Garrison have won Academy Awards, and many others have received nominations. His latest work, *A Prisoner of Society*, is to be released next week.

8. Use the format of the Law of Detachment to identify simple statements P and Q and the Conditional statement If P then Q. Assume the statements are true. State the conclusion if the argument is valid. If not valid, explain why not.:

a. If a person attends college, then he or she will be a success in life. Kathy Jones attends Dade County Community College.

b. If Tabby is meowing, then she is hungry. Tabby is hungry.