1. Write as an if-then statement: “The sum of squares of two odd integers is an even integer”.

2. Consider the two statements
   (a) If A, then B.
   (b) If (not A), then (not B).

   Under what circumstances are these statements true or false? Are they, in essence, identical or not?

3. Consider the statements for a real number $y$:
   (a) A: $y^2 > 0$.
   (b) B: $y < 0$.

   Which of the statements $A \Rightarrow B$, $B \Rightarrow A$, $A \iff B$ are true? (circle)