187 §3- DISCRETE MATHEMATICS - Quiz 3

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Name _____

1. Consider the following deal:

   If you borrow my pen, you must return it.

   Suppose that the following happened:

   - Alex borrowed my pen.
   - Bert did not borrow my pen.
   - Chris returned my pen.
   - Daniel did not return my pen.

   Among these 4 people, who and which ones are the fewest I need to check to ensure whether somebody broke the deal?

2. Restate "If $x + y \geq 3$ then $x \geq 1$ or $y \geq 2$" using the contrapositive and De Morgan's laws.