

Math 2283 - Introduction to Logic

Quiz #9 - 2015.09.30

Name: _____

Consider the statement $(K \cup L)' \subset K'$.

1. Convert the statement from set notation to logical form, but using the element \in symbol along with sets K and L .

2. Convert your statement from part (a) into a purely logical form, using substitutions so that you have only statements p and q , and no \in symbols.

3. Based on the form of the logical statement in (b), do you believe that the original set relation statement is true?