

# Math 2283 - Introduction to Logic

## Quiz #8 - 2017.02.24 Solutions

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Convert the following logical sentence into set notation so that there are no logical connectives or element symbols, instead only set operations and set relations.

$$\sim (x \in K \vee x \in L) \leftrightarrow (\sim x \in K \wedge \sim x \in L)$$

In set notation only, this is:

$$(K \cup L)' = K' \cap L'$$