Math 2283 - Introduction to Logic

Quiz #20 **- 2016.03.04 Solutions**

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1. List at least four properties that a relation R can have (you do not have to define them, just list them).

One could use any of the following examples from the text: *reflexive, irreflexive, symmetrical, asymmetrical, transitive, connected.*

2. List at least three new relations one can construct given a relation R, or two relations R and S.

We have the union of two relations, $R \cup S$, the intersection of two relations, $R \cap S$, the complement of a relation, R', the relative product of two relations, $R \,/\, S$, and the converse relation, $\breve{R}$.