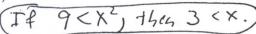
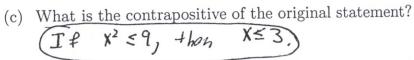
- 7. Consider the statement "if 3 < x, then $9 < x^2$ ".
 - (a) What is the converse of the original statement?



(b) Is (a) logically equivalent to the original statement?





(d) Is (c) logically equivalent to the original statement?



- 8. Is the following argument valid? For all students x, if x studies discrete mathematics, then x is good at logic. Jill is not good at logic.
 - ... Jill does not study discrete mathematics.