TRANSLATE the ARGUMENT INTO symbolic FORM. Then determine whether the ARGUMENT is valid OR INVALID.

"IF the school cuts it's ART PROGRAM, some parents will NOT RIOT

"IF some Parents riot, they will NOT have CLEAR CRIMINAL RECORDS.

They have CLEAR CRIMINAL RECORDS

The SCHOOL did not cut it's PROGRAM

USE a truth table to determine whether the two statements ARE equivalent

$\sim p \rightarrow q \wedge \sim q \rightarrow \sim p$ and $\sim q \leftrightarrow \sim p$

1) Construct a truth table for the given statement

$-q \leftrightarrow p$

2.) Write the statement below in symbolic form and construct a truth table. Then indicate under what condition, if any, the compound statement is true. Let p represent the statement $x \leq 2$ and let q represent the statement [redacted] $x < 9$

It is not true that $x \leq 2$ and $x \geq 9$, but $x > 2$ and $x < 9$

What is the compound statement in symbolic form.