1. p: Tanisha owns a convertible

q: Joan owns a Volvo

Translate each statement into symbols. Then construct a truth table for each and indicate under what conditions the compound statement is true.

Tanisha does not own a convertible but Joan owns a Volvo.

2. Determine whether the argument is valid or invalid. You may compare the argument to a standard form, given or use a truth table.

$v$ $\rightarrow ω$

$\frac{ω}{∴} $ $v$

3. Write a negation of the statement.

She earns more than me.

4. Let p, q, and r be the following statements:

 p: Jamie is on the train.

 q: Sylvia is at the park.

 r: Nigel is in the car.

Translate the following statement into English: (p V ~q)$\rightarrow $ ~r