## Math 270 - Basic Discrete Mathematics Practice Quiz on Section 2.1 Solutions

**Directions:** Answer the problems given below.

1. Determine whether the statement forms  $p \vee (p \wedge q)$  and p are logically equivalent.

Trath Table:

Since both columns are identical, both statement forms have the same autput for any combination of input: Yes, they are logically equalist.

2. Use De Morgan's Laws to write a negation for the following statement: "Math 270 is the most enjoyable course I have ever taken and I am learning a great deal in it."

Math 270 is not the most enjoyable course. I have ever taken, or I am not learning a great deal in it.

(The original statement is true.)