Name _____   Date _____

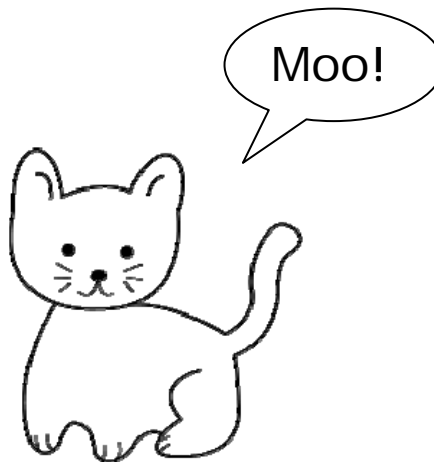**Logic- Disjunction, Conditional and Bi conditional - Step-by-Step Lesson**

What is the truth value of the statement?

The original statement is true, so the negation of this value will be false.

If lion roar, then cats moo?

Moo!

=

Explanation:

As we know: Lions do roar; so the statement is true (T).

Cats meow, they do not moo; so that statement is false (F).

(T implies F = F).

Since a true fact implies a false fact, the entire sentence is false.

So, the answer is false.

That's my job!