

Math 301

Quiz 2

Justify all answers with neat and organized work. Clearly indicate your answers.
10 points possible.

1. (5 pts.) Use the contrapositive to rewrite this statement in if-then form in two ways. Assume that *only if* has its formal, logical meaning.

I will eat that pizza only if my calculator works.

2. (5 pts.) Use symbols to write the logical form of this argument. Then use a truth table to test the argument for validity.

If Jack has a long moustache, then mares eat oats.

Mares eat oats.

Therefore, Jack has a long moustache.