Quiz 6   Name:_____*Key*_____

You must show your work to get full credit.

1. Write the converse and the contrapositive to following statement.

If the moon is cheese, then pigs can fly.

(a) The converse:

If pigs con fly, then the moon is cheese

(b) The contrapositive:

2. What is the negation of the statement

All ~~all~~ real numbers have a square root.

Some real number does not have a square root.

3. What is the negation of the statement

There exists an odd perfect number.

(Not that you to know this to do the problem, but a natural number is perfect if and only if it is the sum of its proper divisors.)

All odd numbers are not perfect.