Quiz

a. (2) Restate using quantifiers, predicates, and logical connectives. Be sure to define your predicates.
   *The product of any two odd integers is an odd integer.*

b. (5) Use *direct proof* to prove the statement true.

c. (2) Translate the following into logic as above.
   *The sum of a rational number and an irrational number is irrational.*

d. (5) Use *proof by contradiction* to prove the statement true.