1. (P(a) 1 7 a (au) -> Reau elim 4: 2 10. Rean prop: 8.9 11. = 1 x R(x) Totro =: 10

6. odd x odd = odd

Let n and m both to be odd number, so that there exists on integer a for n=2a+1 and our integer b for m=2b+1

(or and b depend on n and m). so nm=(2a+1)(2b+1)

= 4ab+2a+2b+1 = 2(2ab+a+b)+1, since a and b are integers (2ab+a+b) is also our integer, so 2(2ab+a+b)+1 is an odd humber, which means nm is add.