6) There is no greatest neg real number There is a greatest neg real number Let a be the greatest neg real number a <0 azx a <2<1 07279 11) Prove Go contradiction
The product of any nonzara rational number
and any irrational number is meet conal I a rational number is / with r \$0 and an Prooficianal number S such that is is national Proof: assume statement is take and the negation is true assume is a rational number r £0 & 5 15 an irrestance humber of 15 is rational of rs is rational cather (a) s= a then (ba) s = a then (ba) s = a then (a) s = a ad INT and is rothoral 28) For all INT mand n, if my is even than m is even and n is even m=2+1 n=25+1 mn= (2++1)(25+1) mn=4,5+2++25+1 mn=2(2, rs+r+5)+1 mn is odd