Suppose a and b are 70

a
$$\angle O \rightarrow so$$
 $a(b) > O(b) \rightarrow a(b) > O(x)$

Since sign must be flipped theorem (iii)

$$QLO so \Rightarrow ab < O(b) \Rightarrow ab < O[X]$$

thim (ii)

$$\binom{2}{m^2 = n^2}$$
 then man or man

$$m^2-n^2 > 0$$
 algerbra $(m+n)(m-n) = 0$
where $(m-n) = 0/(m+n) \rightarrow m = n$
or $(m+n) = 0/(m-n) \rightarrow M = -n$

$$3)$$
 Odivides \times Olb in (

thus $b = 0 \cdot C$

thus $b = 0$ only

$$t=rc_1$$
 the $(rc_1)(sc_2)=(tu)$
 $u=sc_2$ $rsc=tu \rightarrow rsltu$