MAT 3101 – NOTES ON ABSOLUTE VALUE PROPERTIES

	IF A, b & C ARE ANY OIVEN FERL NUMBERS,
TEXTEDOK: AN. CALCIUMS	Titon
OY: Buck properties	.> tinter asb, a=b, a cb LAN of TRICHEDDMY
fox 11 mg) IF a > b Amp b> c THAM a>C LAW OF TRANSTRUTTY
	> IF asb, Than atc>b+c
MIERVAUS	> IF azb, czo, Thom aczbo
WE DENOTE INTERVENS IN THE PEG WAY:	> IF a>b kno cko Them ackbo
(a,b)= 1x acxebi open impruh	11.12 - 10.00 - 10.00 - 10.00
[a,b] = 1x a ≤ x ≤ b} crosop imerval	WE PETINE THE LESOLUTE VALUE OF A
(a,b]= {x a < x < b} corr- Hand open int	REXL Number in A following way
ta, b) = 1x a xxx b } RIGHT-HOOD OPEN INT	
OR STANGETON FOREST THEIR	$ x = \begin{cases} x & F \times > 0 \\ -x & F \times < 0 \end{cases}$
kerner(a,b)=>(0,0,0),uxex	
	PROPERTIES
MATHEMASTER INDUCTION	-x = x
The Brunder I Made 1177	1115 12 x \(\leq \times \leq \ \times \
Control Beach Control Superior of	3. 1x+y 5 1x1+1y1 TRIANGLE INEQUALITY
March Barrier Con State of Sta	4. 11×1-1411 = 1x-41
But the state of t	J, X-Y REPRESENTS THE DISTANCE PROM
District Control of the state of	X D Y ON THE ROLL LINE.
	The state of the s
1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	. · · · · · · · · · · · · · · · · · · ·
	N 7000
7. x = Vx2 8. x >0 And x = 0 AD X=0	SCHIDKRY INEOURY ITY
	FOR MY PIG IN IR"
9. xxy 1-xxy => 1x1xy	p.g ≤ lpllgl
1.11. 1	Pg:
EXAMPLE	Let Q= ap - Pg
CASE 1: x mp y HAVE THE SAME SIGN !	WHERE P, & & IRV KNP &, BER
- 1/4y 1 = = (x+y) = 1 x + - y = (x+y)	0 £ Q · Q
TRIMOLE INEQUALITY IS AN EDUALITY	< (2p - bg) (2p - bg)
CASE 2: X LAND IN HAVE OPPOSITE SIGNS.	17/ > - 2/6/- > 187/0.6)
KSSUME X S O S of	2 p - 2 × B(p.g) + B g V
* IF X+12 > O Than	
	240/) 4 2 0 1 + B 1 2 1
* IF Xty <0 Then	WHICH IS TRUE FOR MY NOS. & MID B.
x+y = -(x+y) = -x-y < -x+y= x + y	
In This CASE IF home OF X AND Y	delal top Malal
15 ters, The insputerry is evident.	
E of /x	IF p do g do then we get
if p= (x,, x,) And g= (y1,, y0)	
THE POT PROPULT OR IMPER PROPULT IS	2 plly (p.g) < 2 pl/g/2
The New Clowsoom Standard!	p.q & Ipliq
The New Vassoom Handard! CASIO	The second secon