Semana: #11

## Inecuaciones en B

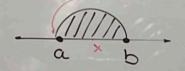
- . Designal dad: A & B
- · Inecuación: AsBx (Condicions
- . Intervalo: ICB
  - ✓ Acotado: extremos B. xe (-00, a) x < a (a,b); [a,b]; (a,b]
- √ No acotado: Extremojos  $\langle -\infty, \Omega \rangle$ ;  $\langle \Omega, +\infty \rangle$ 
  - $\langle -\infty, +\infty \rangle = \mathbb{R}$

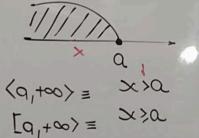
Var-lali HaER

· XE (a, b) - a(xxb) Prop:



· XE[a,b]-a<x < b





><-0 (-∞,-a)= (-0,2] = Xx-a

V ≡ U ~ ≡ ()'

. A>O - A Es positivo(+)

. ACO - A Es negativo (-)

. A>B -- A>B V A=B

· B< A< C - B<A AAC

. A < B - - JB < A < JB

· A < B , C>O - AC < BC

· ASB , CO, - AC > BC

070 caso I:

£<25 → -5 < X<

X 18 - - 2/2< X1 2/2

x<3 - -x7-3 -X7-4- X64

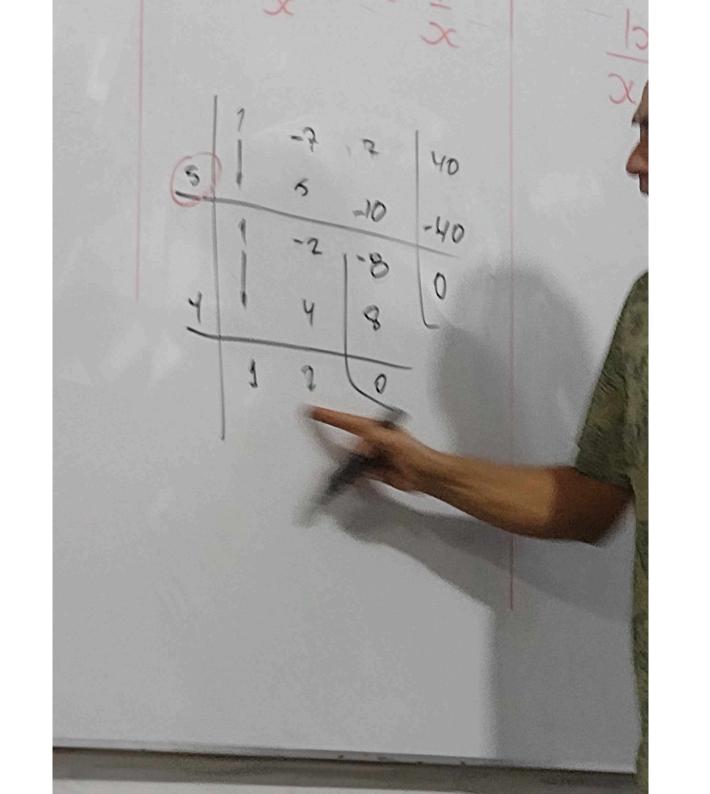
COSO I (P.INGA)

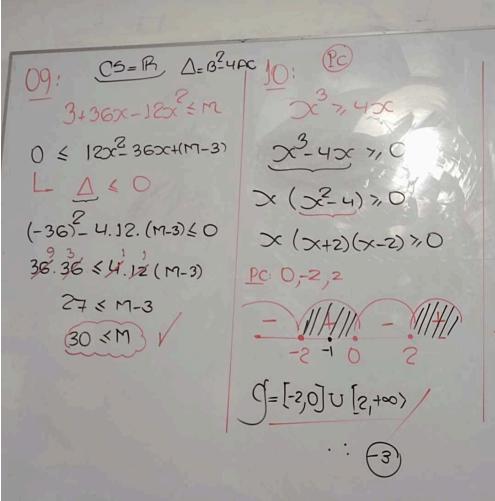
-4xx(3-0 < x <

5<×10-06×2<

E9xxx-2-0xx2x

-5 < X< XE[1,2]-141 5 <u>©</u>: 3 € ∝ € 7 2/2< ><< 2/2 T= (2) = 1/3x(2 -1(2) 257-3 1 = X < 2 P-T=[a,b] (a=-8/11) = (1 6) X+1 < x-5 1 x-5 (x+2) Y & XC 5 & 500 × 10 CAP 3 < X < 7 [ [ ] 5] X+y (X-5 ) X-5 (X+6) -3 5 0 2 4 6 9 13x1 = 112 8 5 5x+3 5 13 2 -7 £ X { 5 7x( = 1 1 7 1 1 2 × 50 0622 649 4 { 3x-5 < 16 X+4 (2x-10 0 3x-15 < 2x+12 25 12x6x-4 ~ 76 63 1 - 1 = 1 16 7x=5 = 4 IA ex U Xest (-5) & X=5 & 4H 520 1186-4 1 2612 CS: [1 8] X 4- H ( X X 12 14 < X < 27 3 - 9 6 2 P= [-5,44] x2 16 1= 1-5, MM 2X <- 80 (x 3 0) (x - b = 13 - 8 = 5) (= (14/27) 244 1/8 = M = 5/2





-23-x110 40 NUNCA: ASPA TACHAR: Positivo ABAJO: Abierto. (2x+5)(x-2),0PC: -5/2,2  1) PAR: No alterner

1) PAR: No alterner

1) ImpaR: SI alternar.

(2x+1)(x+1)(x-1)(3x-5)

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(2x+1)(x+1)(x+1)(x-1)(x+1)

(x+1)(x+1)(x+1)(x+1)

(x+1)(x+1)(x+1)(x+1)

(x-5)(x-4)(x+2) 7,0 (x+6)(x-3)PC 5,4,-2,-6,3 = (-61-2] U (3/4] V [5, +0)

1) 42X

7-200640 XC2006 to 1x1 2005/ Valor Ahsoluto: J. L. 2005/ 7-51 2x+3 (x-5-2x-9)0 1 | Al= B - A= B V A=-B (3x-2)(-x-8) >0 1 | Al-131 - (A+A)(A-B)=0 (3x-2)(x+8) 40 3 1D1 < 13 -B < A < B 9 A17B + A7B Y AL-B 12 31-8 (9) AL (19) - (A+17) (A-17) <0

