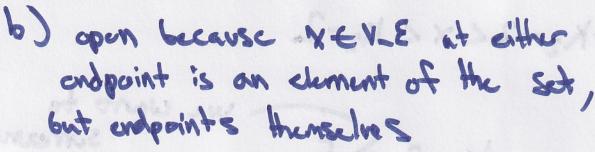
meeting # 9 Mtes (I) #1) elements of a seguence n) are very close to each other (evertually) 6) makes sunsc c) sequences are 10 as nEN (1 2] - > /H-X/ os long we have a segvence a limit of asequence is unique and 1-12 does not contrager

1 2 Limit poits 2,-2

のいこ (一万)" + 大 Limit does not exist 2 points of accumulation he can note a set out of the Engunes #2) 1x-4/21 -5+K+X<2+K ートナムイメトナス 43 CY C5 .... 80 (1)  $x \in (3.5)$ 



(3,5) (3,5) $-k_1+3<\times 2'k_1+3$ 

Chammy >

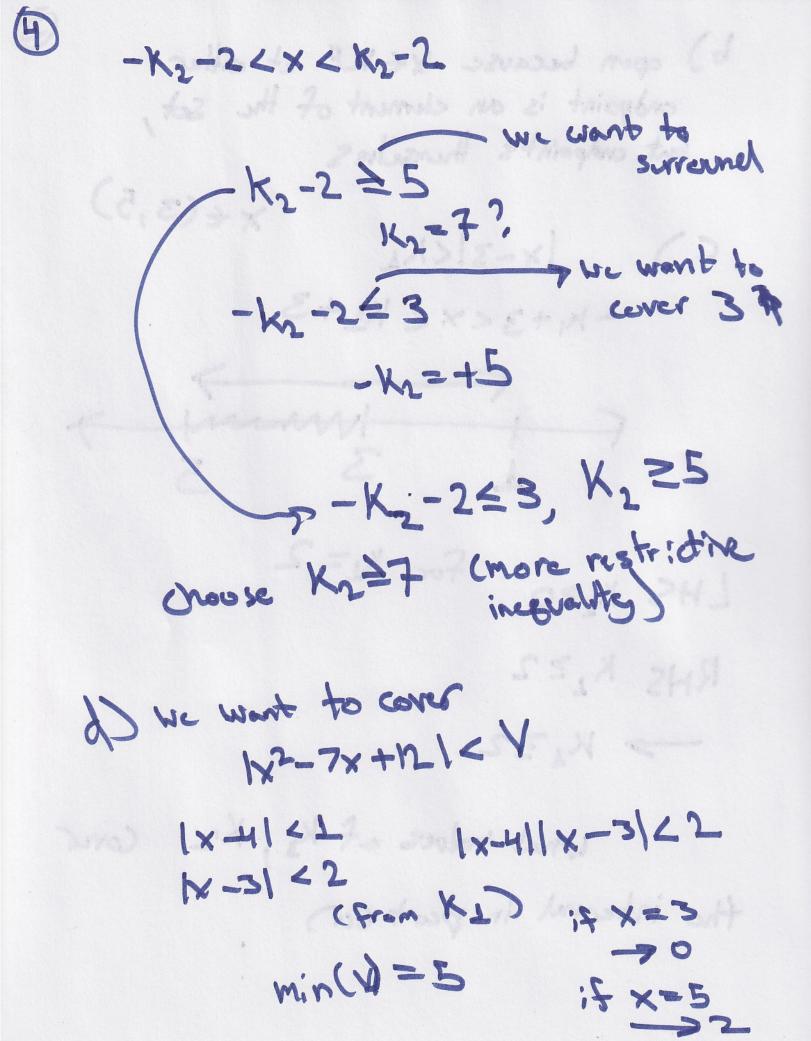
LHS K220

RHS K1=2

RHS K1=2

-> K1557/WAX

the interval in part cas



(3,5) is covered We workt get more than 2 < ) |x3-5x2-2x+24 < Y (x2-7x+12) == x3-7x2+12x+2x2-14x+24) (x2-5x -2x +24) 1x-4/< 1 1x-411x-3/2+2/<14 1x-3/<2 1×+2/<7 (1.2.7)

min(14)

105= (100) 2 -10

Man E ocay

01-1000 - 1007 -

arma) 21 - (E, E) som de strow out a) an = 5+ % 6n35-2 b (6,5.5,5+3, ---They all converge to the same AND Cong | House ! Nobabion an , Fran HEDO INSWAM, Zan an > 5, fean) = 2an

 $\alpha_n \rightarrow 5$ ,  $+\epsilon \alpha n = 2\alpha n$   $- \rightarrow 5 (\alpha n) = 2\alpha n$ 

I from - 10/ < E

I from - 10/ < E

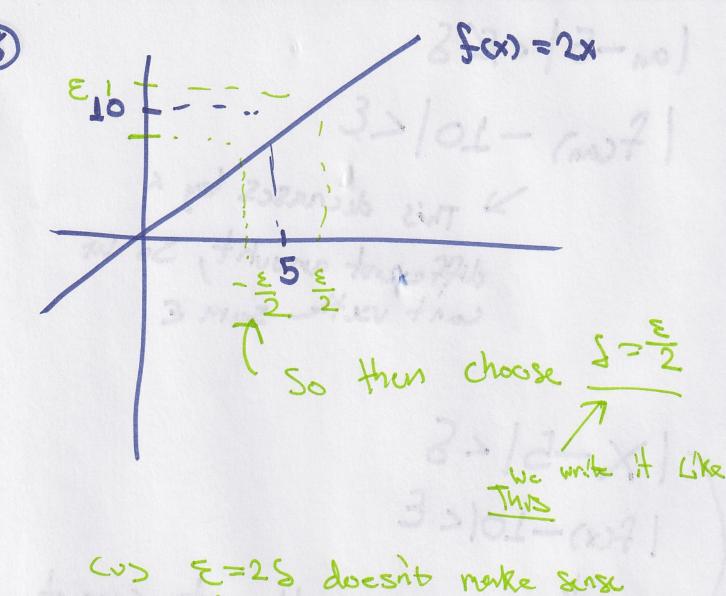
This dicresses by a

different anount, so we
cont verthe som E

 $|f(x)-10| < \varepsilon$   $|f(x)-10| < \varepsilon$  |f(x)-10| <

33/12- N/S 5-

3 3 101-03 4



Cos E=28 doesn't norke sinsc with the preture in mind Prove lings = 10 Given 570, choose S= & then

> 1x-51<5 → 1x-51<5 → 21x-51<5 → 12x-101< €

5,6, Look at #2 you will need it