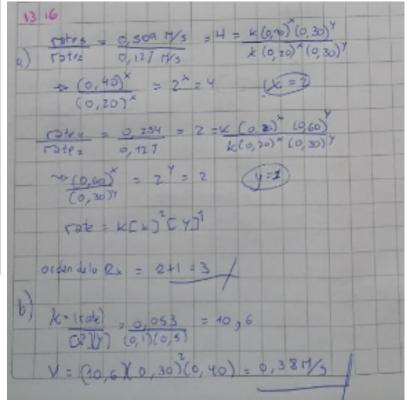
13.6	
a) 2 Hz (g) + Oz (g)	, -> 2H2O(y)
	- DE02] = 10[H20]
2 st	At 2 At
b) 4NH3(9) + SO2 (9)	-4NO197 + 6 H20197
V = -1 A ENHJZ	= -1 DC0-3
Y Dt	5 Dt /
V = LOTNO] =	1 D [H20]
4 At	6 At 1

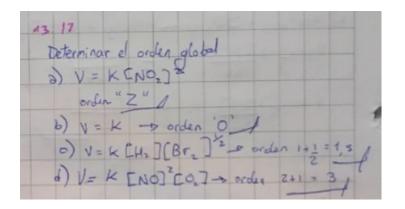
13.13
NHylan + NOzcas - Nz cgs + ZNzOces
K=3×10 1/M.S [NHV+] = 0,26 M V = K[NHV)[NO]
[30N]CHN] = N M 95'0 = [+"HN] M 080'0 = [-'0N]
V= (3×10)(0,26)(0,080)
V = 6,24 × 10 - 6 M/s
V = 6,24 × 10 M/s

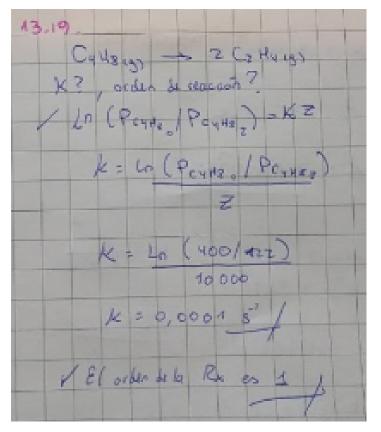
13 (5	
(A) M (B) M	papidez (11/5)
K(1) 1.50 1,50	320.0
K(2) 1,50 2.50	320, 10
K(3) 3.00 1.50	G. 40 x 10'
$k_{3} = \frac{(3,25) \times 10^{-1}}{(1,50)(1,50)}$	4,42×10/Ms/
K2 = 3,20×10' (1,50)'(2,50)'	= 0,85×10 / Ms
K3 = 6,40 x 10' = (3,00)(1,50)	1, 42 × 10 / Ms /
K3 CK2 CK,	

- 4	93.8
	Nzcgz + 3Hzzgz -> 2NHzgz
	V = 0,074 M/s
	Tapidet de formación NH3
	F. = V: LFJ
	M 840, 9 - (115 - (110))
	(NH3 = 3 (-0,074) = 0,044 M/5
	T(N1) = -1 (-0,074) = -0,025 MS)
	-3

3 N		
TABLA		11/4/2
CF-7(10)	[dos](m)	Rapider inicial (M/s)
0.10	0.010	1.2 ×10 3
0.10	0.040	4.8 × 10
070	0.010	2.4×10-3
[Fe] = 0	de la reacción ?	V = K [Fe] [cloz]
Entonces :		1,2x10-3= K (0,10) (0,01)
V= (12	[4][90]	K=1.2x10+3 = 1,2
= (1.	(0,01)(0,020)	(0,1)(0,04)
	14x154 M/s	1







13.27

2 NOBr (g) - 2 NO(g) + Br2 (g)

K=0,8/Ms, 10°C

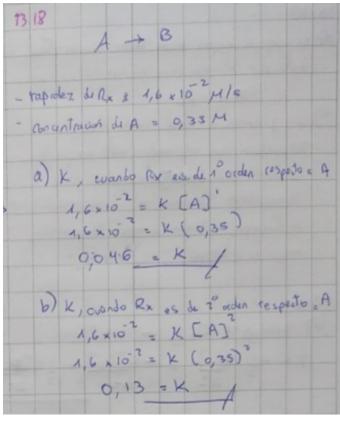
a) inicial [] de 0,086 M hallar [] deopo

de 22 s

L = (0,8)(22) + 1

[A] (0,086)

0,034 M = [A] +



13.20 $\Delta P = 15,76 - 15,76 = 0$ $\Delta P = 18,88 - 15,76 = 3,12$ $\Delta P = 22,79, -15,76 = 7,03$ $\Delta P = 27,08 - 15,76 = 11,32$ PA = 15,76 - 0 = 15,76 PA = 15,76 - 3,12 = 12,64 PA = 15,76 - 7,03 = 8,73 PA = 15,76 - 11,32 = 4,44

17,36 =

= 23,15 ,

b) vida meba?

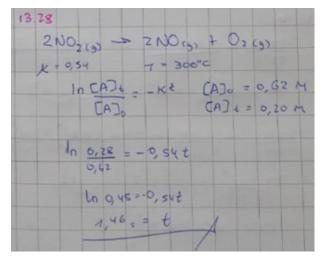
ty a

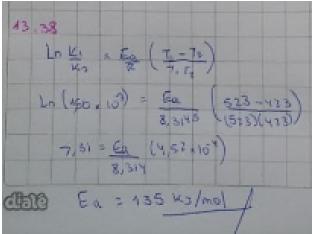
- Lino and = 0,077 M

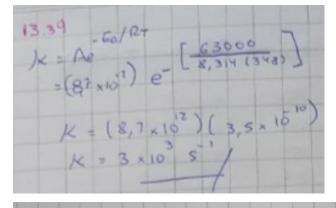
(90) (0,072)

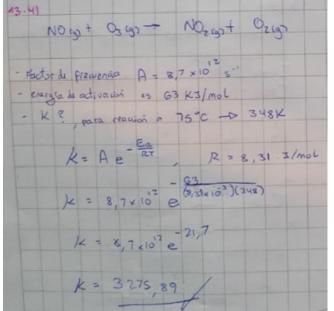
TENSE] = 0,054 M

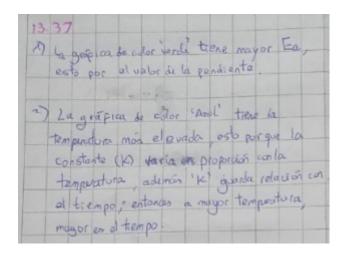
+ 1/2 = 1 (0,0)(0,054)

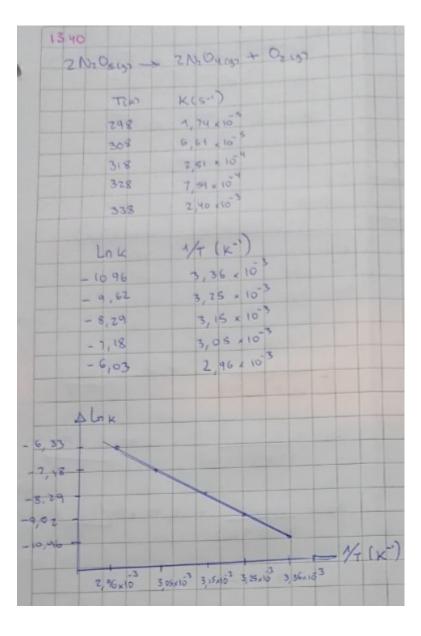












13.56
2NO con + charge - 2 NO chigs
V = K [No] [cl2]
a) orden de Rx ?
X[NO] [CL12] -> 1+1 = 2
b) NOIST + Clz cy > NO clz cy) (anta) Etapa 2 NO clz + NOIST - S 2 NO class (représ) Etapa 2 col se ponchye respecto a los depideres relativas de las z etapas? ZNOIST + Clz - 2 NO d V la lyde Velocabed la determina la etapa 1 J El intermediario es el NO dz ys

13.57
Y = 2 K2 C0) C03]
1 = K CO332
[0,7]
5-2 115-2
[O] = K, CO3]
K-1 [02]
Velocidad = 2Kz Kz CO3]
de formación X-1 CO2]
× . 1
Finalmente (- k [0] L ZKzKI
V V
[Oi]

