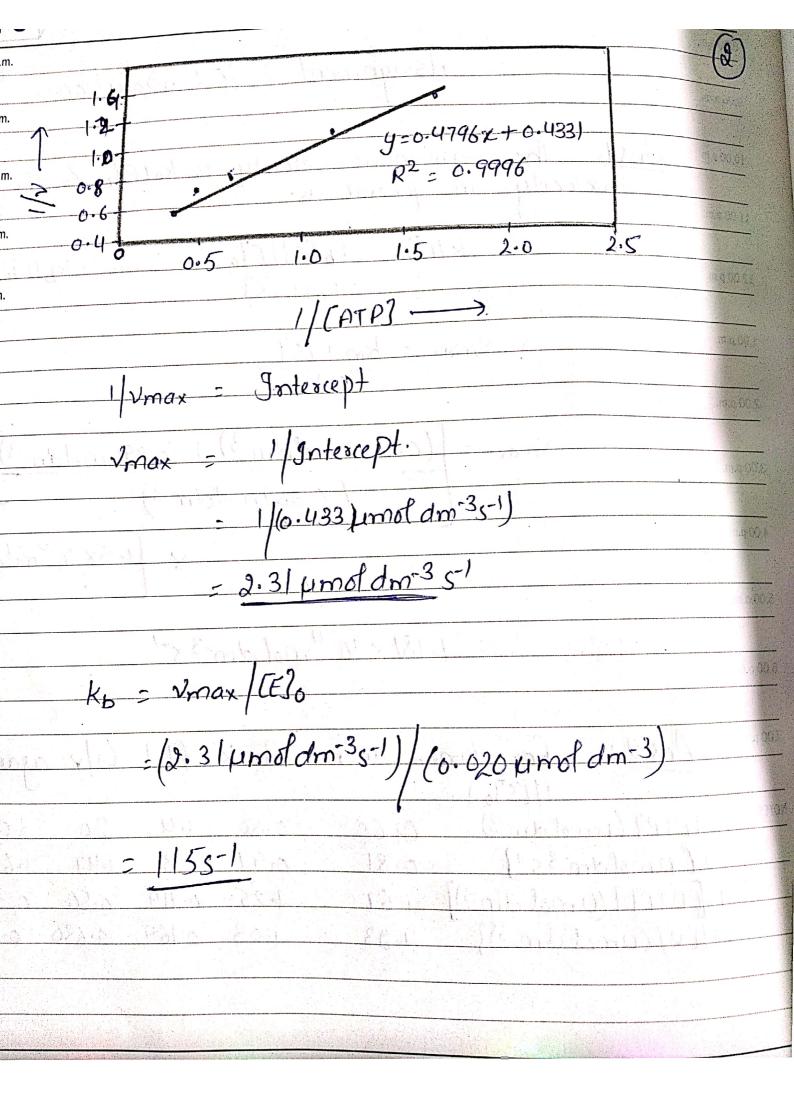
Assignment - 10: Solution:
Ansl. The maximum velocity is kolledo & the velocity in general is:
10 consol is
V = K[E]o = Kb[S][E]o Bo Vmax = Kb[E]o Km+[S]
V = K(L)0 - NO(S)(L)0 SO VATION - NOUSO
KMT LSJ
1 167
$= \sum_{max} \sum_{s=1}^{\infty} \frac{k_m + (s)}{s}$
[1 -3] + (225 - 21-53)
Vmax = (0.024 moldm) + (0.870 millant)
Vmax = (0.024 moldm ⁻³) + (0.890 moldm ⁻³)
C.C. 4 11-30-
× [1.15× 10-4 moldm-3s-
The state of the s
= 1.181 × 10-4 mod dm-35-1
A STATE OF THE STA
Ans 2: For Lineweaver - Busk Plot (1/2 against
Ans 2: For Lineweaver - Busk Flot
[OTO2 (1) ort due 3) 0.60 0.80 1.4 20 3.0
(A) 1.3 1.47 1.69
V L L MIO (am 35)
[[ATP] (umot dm)] 1.61 (2) 2769 0.680 0.592
1/[v/(µmot dm-3)] 1.23 1.03 0.769 0.680 0.512
있다. 1802년 1월 1일



(3)

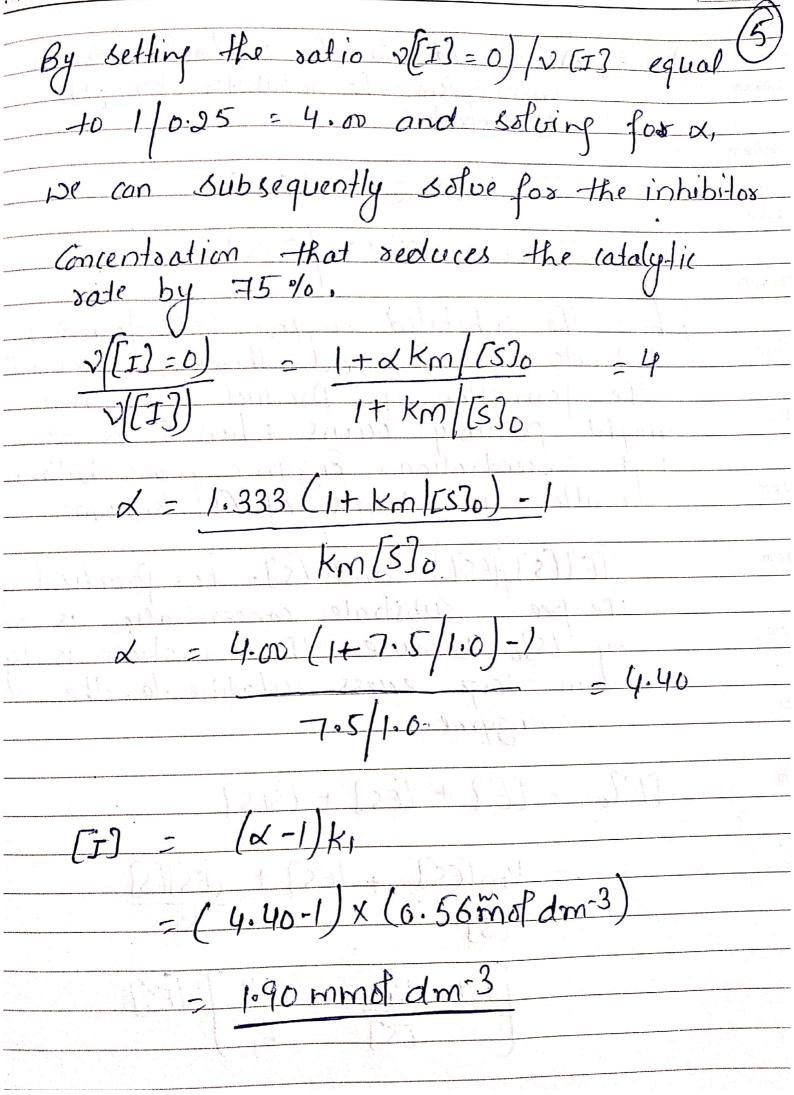
Given,
Slope = km = 300.

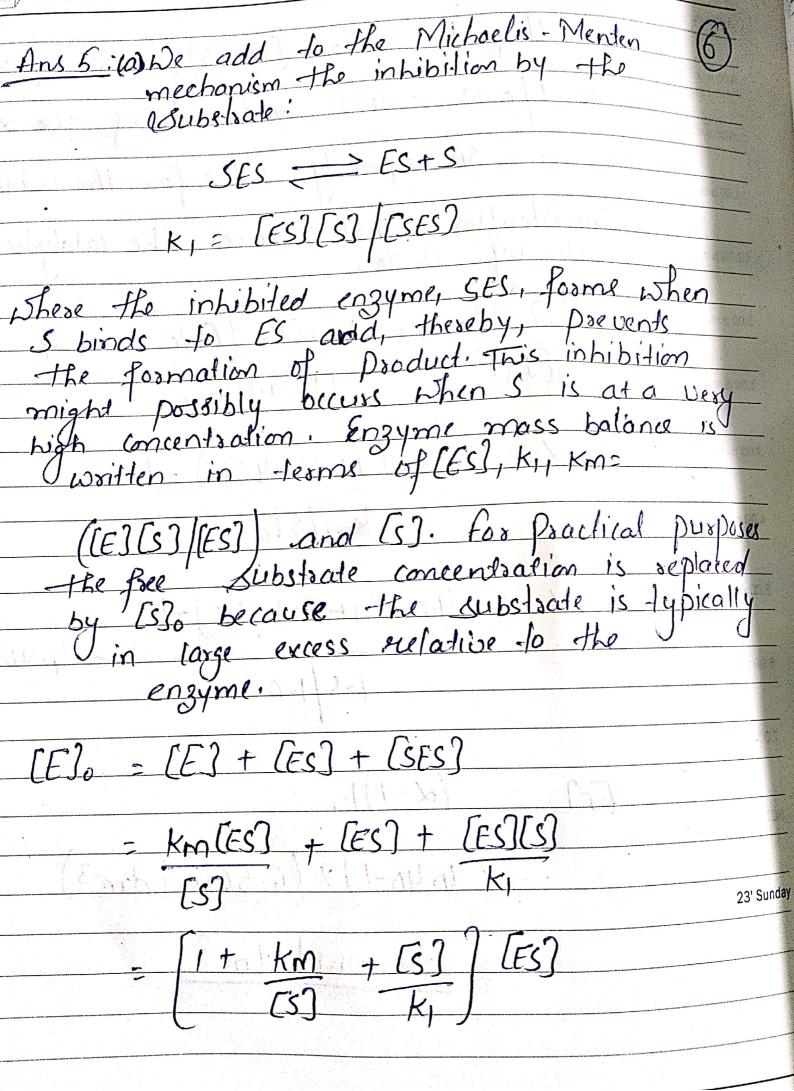
Vmax

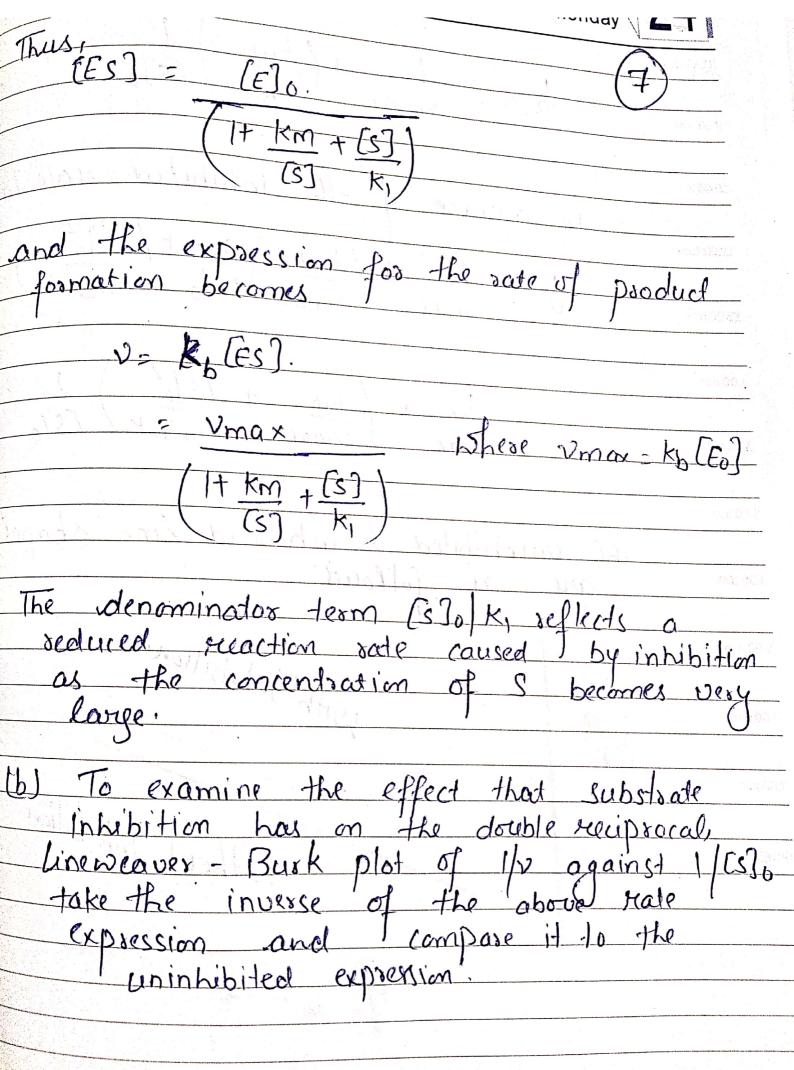
Soloter Lineweguer

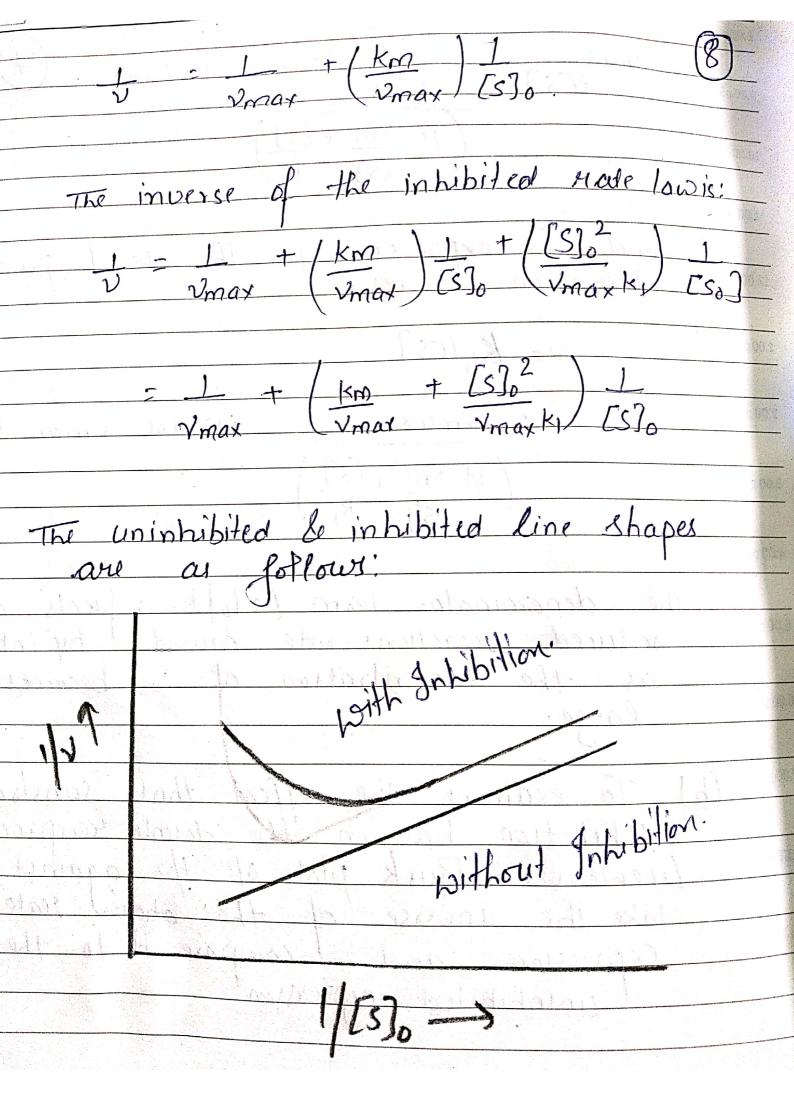
Burk Plot.

Vmax. Km x _ 1 = 300. km x(2x103) = 300 Km = 1.5 x 10-3 Ans 4. In case of Competitive - Inhibition; x = 1+ (I)/K, & x'=) =) 2 = 2max_









Company the two expressions, we see that the two curves match at high value of 1/1530. However, as the concentration of 15% increases (1/1530 decreases) the 1/2 curve with inhibition curves upword because the ryn. rate is decreasing.