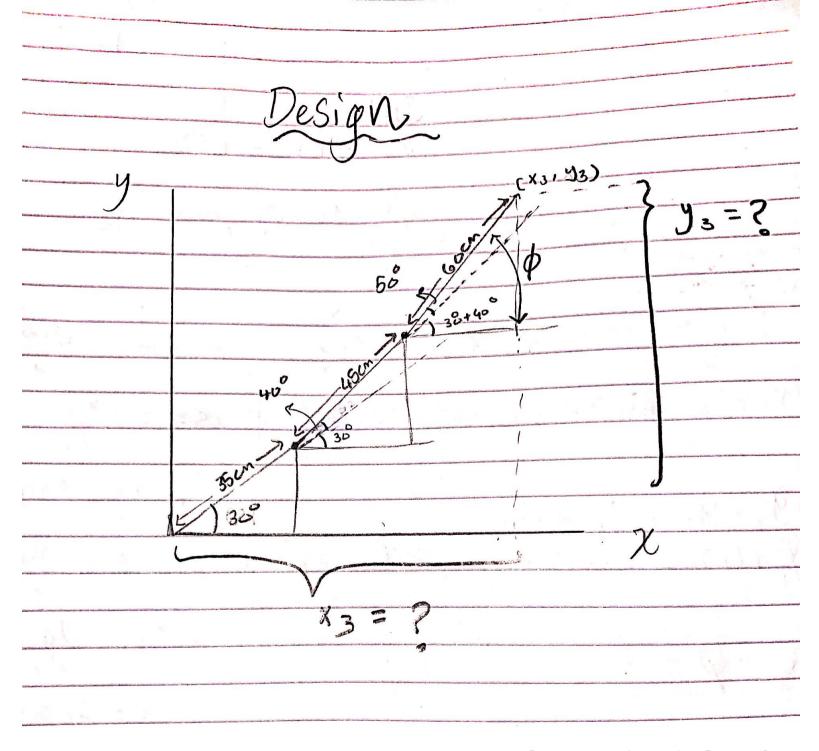
Fortherd Kinematic Sino = 50/1000 COSO = 50/1000 lune = 100/1000 Servo motor let's suy ladoub 6,6, , 63, L1, L2, L3 Ø= O1+O2+O3 ya 0 $X_3 = \chi_a + \chi_b + \chi_c$ ¥ cose= 13=[4,005(01)+12(05(01+02)+12(05(0+0))] cose, = Ma= LI COSO, 2 43 = Ya + 4b + 9c #SIMB = John Ø = 01 + 02 + 03 Sino, = Ja ya = 6, coso,

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Now/ let's say that we have a roport that has 3 degrees of freedom; cm, 23 = 60, then the end effector of the robot arm arm (x,y) will be 2 and the end effector angle & inclination of will be ? X3 - [L1005(O1) + L2005(O1+O2) + L3005(O1+O2+O3)] =[35 (05(30)+45 co5(30+40)+60 co5(30+40+50)] 15.7 cm 1/3 = [Lisin(O1) + L2 Sin(O1+02) + L2 Sin(O1+02+02)] = [35 sin(30) +45 sin(30+40) +60 sin(30+40+50)] 111.7 cm \$ > the endeflector cangle of inclination from zero. \$=0,+02+03 Ø= \$30 + 40 + 90 = 1200

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