Name: Ademale Monigola Segulado Department Mochanical Engineering Mutric No: 15 ENGED (N) 1) deg + ady + sy 268 46 Solation + 44 +5 :0 -41/42-20 -4+ ja = -2+j @= y = e = [[Cos6 + 09 mg] Ane8 + 0803A: 4= E9 dy = - 43 no + BCost 12y = ACOSE - BSING -A COS - BSING - 45 IN 0 + 48 COS + 5 A COS + 5 BS IN 0 2 63 IN 0 E050(- A +4B+5A)+ 5 mt (-B-4A+6B) = 63mb 4A+48=0 - @ SHO + 48 - 44 =6 - 0 they to and @ - I would 44 + 482 0 + -44+48 26 8B =6 4 a + 4(1/4) = 0

PI= y= -3 Coso + 3 900 GE= y= e (cesso+05me) -3 cso + 3 smt attow and dy/do 20 47 16 = e = [-csno + DCso] + [cso+Dsno] - 200 + 3/49mo + 3/49mo 0=3/49m0+3/4 Cost -3/4 CBO = 3/45 ING - Cos6 2 300 -1 = tant 0 = ten (-1) =_45° 2) EL By 2 w (L-x)? Status EIm2 2 0 m=+50 m = 10 42 con Ca+Bx) 42A+BX B] = g = fx + 6x + Hx+ dy = 28x + 392 + Hx3 EI [28 + 64x + 124x2] = W (1-x)2 1 + [380 + 1380 27EI + 6GEZE + 12HEIZ - W (1-2) CIFET + 124EIx + 24HEIx2 2 W(12-2x+x2) 24HZI = W Hz w 24EI