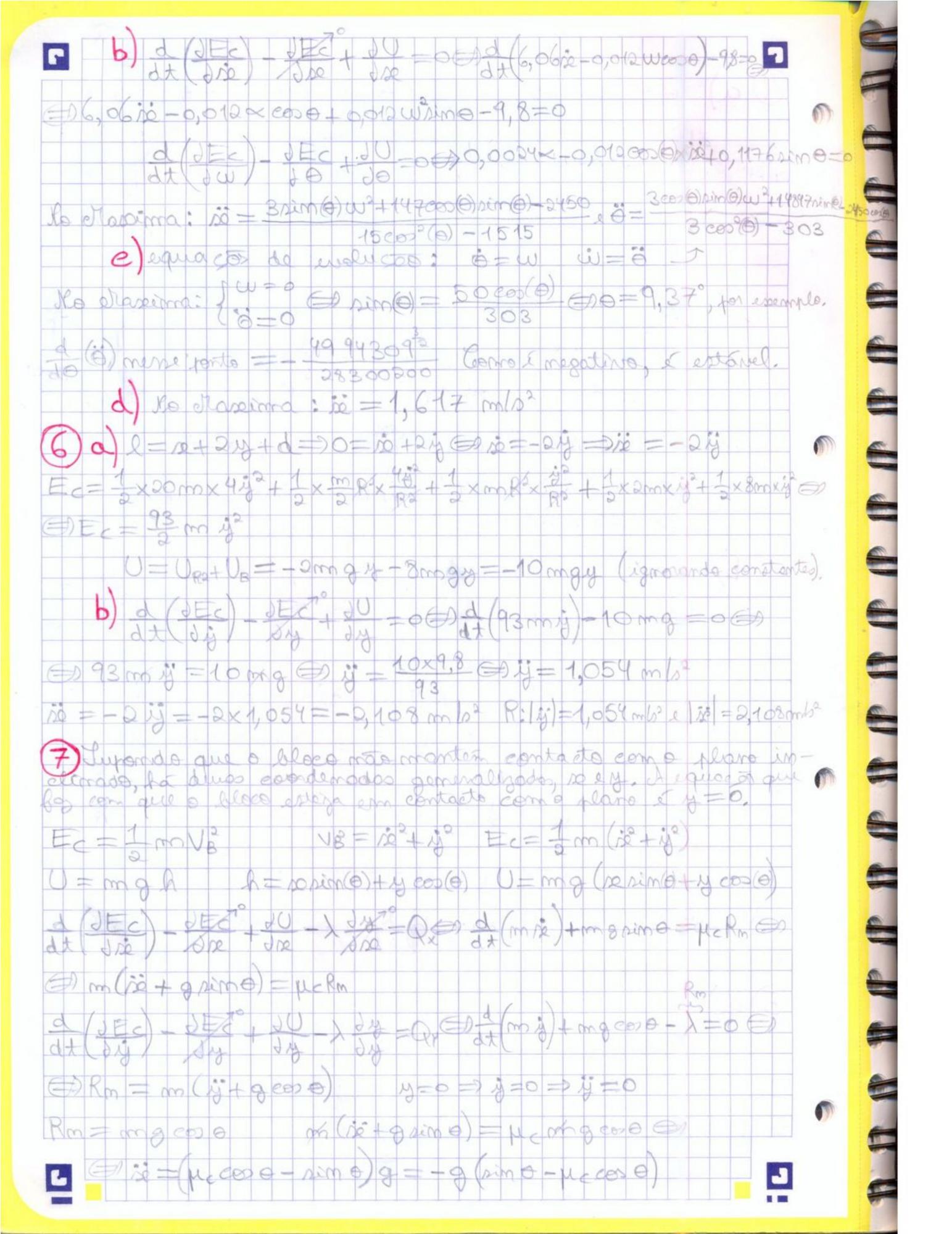


4) a) y= AA-0,050 40,080 VA = -0,03 W VB=0,08W QA = -0,05 × 0,080 EC = - maya + 3 mon Va + - Icm Wa (3) = = = = x36x10-3x0,050w1+ = x24x10x008w1=x443x107 A ===1,220215×10-102 0=m24/4+m24/2=36x103x9,8x(ha-0,050) +24x103x9,8x(ha+0,000) JEE, 190 (2,44043×10 w) - 905 = 2,44043×40 x = -1,176×103 = 2 x = -4.8188 52 Gome XXO, a roldand roda no sentido dos janteiros do relegio. ax = Rax = 0,05x4,8188 = 0,2409 mb2, tona cima ab=R+=0,08×4,8188=0,3855 m/s , tona baines. 6) Barbus de liberdate - Marya, a extada - (MA MA O VA VA W) c = 1 maya + 1 move + 5 I mw= 36×10 12 + 9 40 18 14349 = UA+UB = may 4A+mag 48 = 36x103,9,8 4A+01x107,9848=0,35284A+0023524 BA (4A, 9) = 4A+0,050 | BB(4B,0) = 4B-0,080 (genetonte) ( DEC) - DEC 1 DU - 1 DBA - 1 DBB - 0 6336×103 1/4 + 0,3508 - 14 + 0 SUA DEC ولا ل 540 DEC =000 04,43×100 0x -0,05/A+0,08/B=0 10 1 d cm BA = 4x + 0,050 = 0 = 1/4+0,050 Rg = 42-0,080 = 0= 110 + 0,08 × resolvende no elexima: Th = 0,3621 Vi= Vc+Ve/d = 10 i+0, 20 cos Di+0, 20 rime 0 = Ec= fmy8+ +mkye+ +mye= re =3,03 her-0,010 ie w cop + + 0,0010 w? = UB+ Ue = - 1x918x12-0,069x918x0,0x0000= = -9,8ne-0,1176 coo



8) a) Tran= == == (10, 4) == (((co) 0, L rin 0) Tran= == (-10) in 0, 4 0 0000) cap Vem = Vem . Vem = 1000 = 1000 = 1000 + 1000 + 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 10000 = 1000 = 1000 = 1000 = 1000 = 1000 = 10000 = 10000 = 10000 = 1 b) Ec = 3 m vam + 3 T cm w = 3 m x + 2 + 1 x m (3x3+12) w2 e) 0 = mg A = mg sim 0 () FC) - DEP + 2U = 0 ED A (1 m 4 w) + 5 m 8 000 0 = 0 00 3 m L2 x = - 5 m g co o o o x = - 32 co o 2) ~ = w dw do - 32 (good do = wdw do - 32 mod = 30 ) = (30 (3-nino) = 0,3977 s (pelo qued gags) ) a) VB = VQ + VB/P | VB = = (Acos(4)) = + Awsim(4)] The laimer - come i Ve = (locope, lènine - A commatte Upin = le cope i+ le nine VB=VB. VB= led + A We sim (wt) - 2A lwe simoson (wt) Ec= TUB= = ( 126 + A2 Psim2 (ut) + 2A lue sine sin (ut) man = ma (Aco)(ut)-lesse m Alue sim (wt) con et ma sin e) = 0 E Emmore to Alway de des of remount) + male whing con (wx)-m Alway Lutions mrs 21 5 -00 69 le d 2 Alwacere him (wt) + Alwanine do (wt) - ma nimeto

