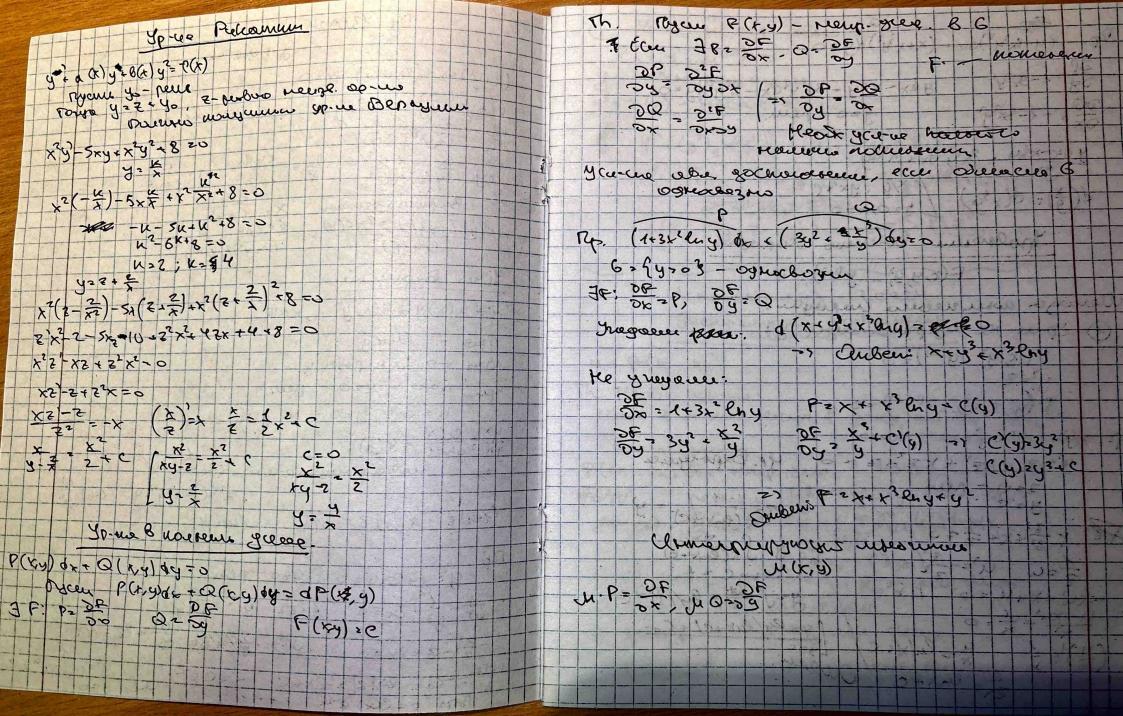
Dy 13.0924 J-nesas venem (1+y) dx e (2xy-1) dy 20 (1+y2) = 1-2xy y= 0 me els, pels. Bepus mornour, X= 1ey2 c'(y) (10 y2) - 2yc(y) = 2 c.(y) y 1 1 (14 y) 2 day It as Bepresen 3+ a(x)y - B(x)y , n = 1R nzo -> Mercy Not -2 Osserbagor à you no > yes - peece 450: 420 - sea peles 2' = (1-h) g , y = (1-h) 4" (1-4) 2 - a (x) 2 = B(x) - 100.9 -3'-3+2x=0 Uny. #### 0x + 22 = 4x



Top. (y-323)dx (x+x332)dy =0 1 Strue era coge aboca so P(4,4), ... (w) 20 28 - 1 - 27y 8 4x - xdy - 3x3y3dx - x3y3dy =0 y- ocolera des vepere. 00 -1-222 y20- peu. y 2 2 (y) - reobare ap-us 8" y"= (y') = (y') = E. Ey y or xdy , 3, 2, dr , x3 dy 2, (1xx) x = (2,x) 2. 2 = (2.83) 2, = (2.8 d(x); d(x'y) (y,0,x70 2 (3) · 2' y 2 · 2' y 2 · 2' 2' 4 2' 2" y Tradresses borcumo nomedel F(243, 4(4)) - 3 Manusaury, 13.09.24 Menoga wan never mapager. Thereferences declarations (1) your no comprise above y: F(x,y',..y(~1)=0 u= P(x ... xn) Call B M. ext theren, F greeze, no Tr. Trailed) L(2, 5, 5, 5(m-4)) =0 M. Xy xy 2 cg -0 x >0 7=3 X5 + X5 +5 -0 yr. Deparque P(xy, xa) oby dearp seep. & US(xs.) US(xs) MAN penus ab opposey (or, dra) 72 (enryc) 2 y HE K 22 + X + 2 2 3 Chrice + + Xu - Xu 20 1 X J-J = en 11-1 2) our - xo was evale 190 en/lax+c/+(1 3) breaks -> To He usu sucus mayoup = consist seems because

11. Clas on role. Alecup 1/x2 - Unx = ung. ue. oconow K(x) = = Bij x + 2 2 bij x, x, nown, ecce tx +0 K(v) 20 out, ecu tx +0 ((x) <0 Meone, ean togethe Jr, r, 16(x,) 10 16(02) 40 Pr. 4= xy & (16-x-y-28) 29,250 horyoup where, ever toxus U(x) > 0, m 3x70. U(b) 20 dez Uxx dx + Way dy + Uzz dz + ωσυμουρ. συρ, εσε tx U(x) = 0, ω 3x ≠ 0. U(x) =0 = 2 Ung dr dy + 2 Unt drd 2 + 2 Ung dydz Koreprincello Bay 1 42 16xyz - x2y2 - xy2z - 2xy2 Zeiki , &=0,±1 u=x4.84-5x2 ognostance, c noutrous go repectuatobe &: P: Er=11 - Meare. Ubeyene cererge q: e:=-1- output, les estre coneput 14224x3-4x -, (0,0) (51,0) U** = 12x?-4 (12y) dy

du = (12x²-4) dx² + (12y²) dy ub. organ ware => BC E; 21 p2h q20 meoup <=> == 1, == -1 1 = p = h = 1 noveyoup novement as Bu 8:20 1 = 9 < h-1 d'((6,0) = -4 d2 (00) - aup. nouyoup. 1 6 20 0 1 5 E avergence verp (2) Bre q; =0 4(Ax, Ay) -4(0,0) = 0x + 0y - 20x -0= Rz (Bij)i,j=1 2 0x2 (0x2-2) + 45 3x=0 1970 >0 0<ax <52 ay =0 <0 Ducinp rien (4(£1,0) = 80x2 - novem asserting ub. se open noum. oup => bu 1,70 WARN ((+1+4K, 49)-4(+1,0)=(+1+4X)+(49) our our <=> Bar sigh si= (-1) que n=2 (AB) nown. Aro, AC-B>0 2 4x = 40x2 = 40x2 = 4x2 (4x2 - 2)2 = 4y > 0 nursus gre 422! (BC) our: ACO, AC-B200 .

d mondre of rocker 5 descr moneron of Oudsen: ga 5) levreer et som Joela dealecterique? Oulem over 6) Morrey un ou Eaure de curenque? Ousen ga des de la comes pero yp-en 3 cegien-2xdr 1 2ydy + 2udu - 2 dx - 2 dy + 4da = 0 (4-2) der + (x+1) dx + (y-1) dy=0 1+1-4-2-2-446-3-0 - W-5-0 RU-1; -5 (-1,1,1) (42) di + du + dr + ou = 3 900 - 900 - 900 dru (-1,1,1) 2 - 3 - 3 - 0 mp. oup. max d²u(-1,-1,5) = dx² dy² - mosone. oup. min