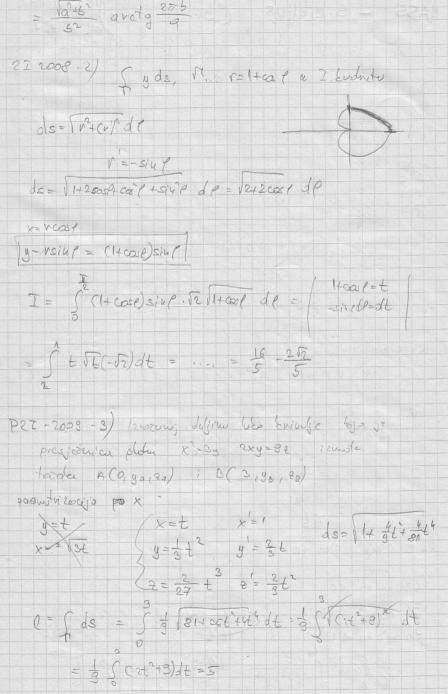
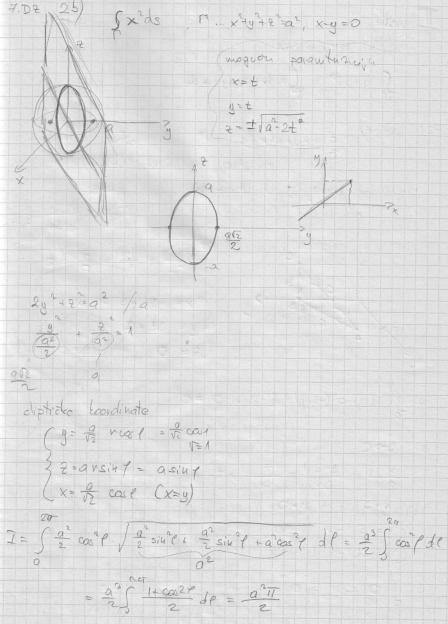
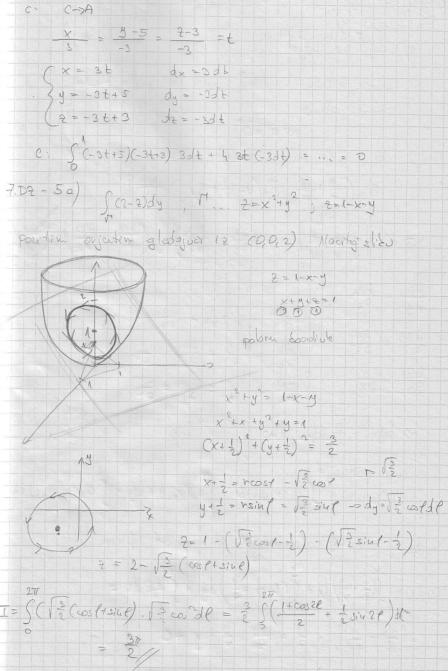
MASS - 3. cikljus (by Bünic) ok.a. Britai Krindin' integnal - razionale desire los Ericulia I voste diferencijal Wes ds=/(x)2+(y)2+(2)2dt ( x=x(t) - parametrizinal Enjudio phorma parametrización de de = V nº+ (r') de + som or OS or constit 22V 5)  $\begin{cases} ds \\ x^2 + y^4 + 2^2 \end{cases}$ ,  $\begin{cases} x = a \cos t \\ y = a \sin t \\ t = b t \end{cases}$ ,  $t \in (a \ge a)$ x'=-asixl y'=acat 2'+45 ds = 1 a2six + great + 52 dE I = Saras dt 25 Varis St dt = Varis St dt = Varis St aris't = g latt (2)2+t2 = 52 3 anct 2+ 6

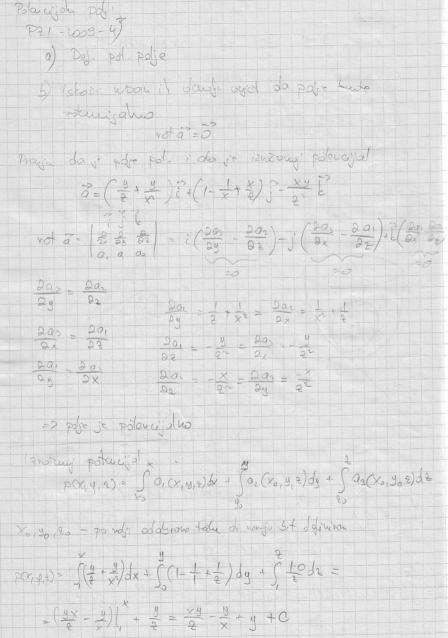


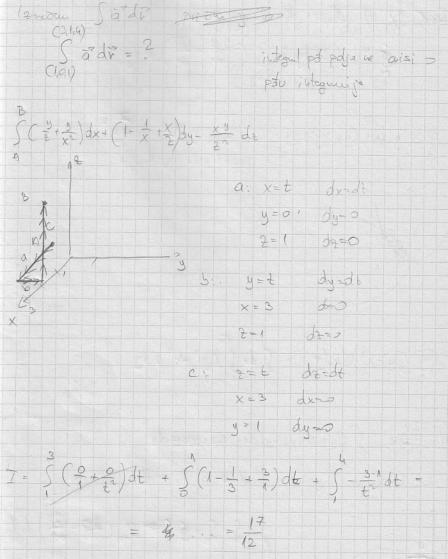


- 5, the organizacija Sodr = fordx+ardy+arde P21-2007-6) \$ y2dx+4xd2, 17... rob 4 vocature s whoming

A(3,2,0) a(0,5,0) a(0,3) on outin regotivus glebajoer iz ishodista A-SB 3-4n 2-2n XB-XN YB-3N 2-2n a: x-3 > y-2 = 2 = t (x=-3t+3->dx=-3dt 3 y = 3t + 2 -> dy = 3dt 2=0 -> d2=0 a: f(3+12).0.(-30+) + 4(-3++2).0 = 0 b: B->C x 5-5 = 2 = t C=xb <- C=x) 24=5 -> dy+0 ( 2= 3t -> olz - 3dt 5: \$0+0 =0







27 -2008 -3) a) Ishori Green-a teoren & Pdx+ Qdy = SS (20 - 2p) drdy C - y 2x x 44 & x y dx + (y + xy2) dy pozitím ogiataji  $= \iint (y^2 - x^2) dx dy = \int dx \int (y^2 - x^2) dy$ S (y+sinxsiny) dx-coxcosydy y=siax, od x=0 do x-76 8 - lot Evicofie 8+8+8=6 9000 SS (20-28) dry J=55-5-56 a: y-==> dy-0 ( - 2 + sint sint ) St - - 12 + sint 2 ( 2 -1) X-t => dx-dt 5: x=0 => dx=> - Scortst = siut y=t=>dy=dt

$$S((sin \times cosg - 1 - sin \times cosg)) dxdy = -\frac{7}{5} dx \int_{-\frac{\pi}{2}}^{\frac{\pi}{2}} dy = -\frac{7}{2} - \frac{7}{2} + 1$$

$$S = S_{3} - S_{4} - S_{5} = 1 - \frac{7}{2} (1 + sin + \frac{1}{2})$$