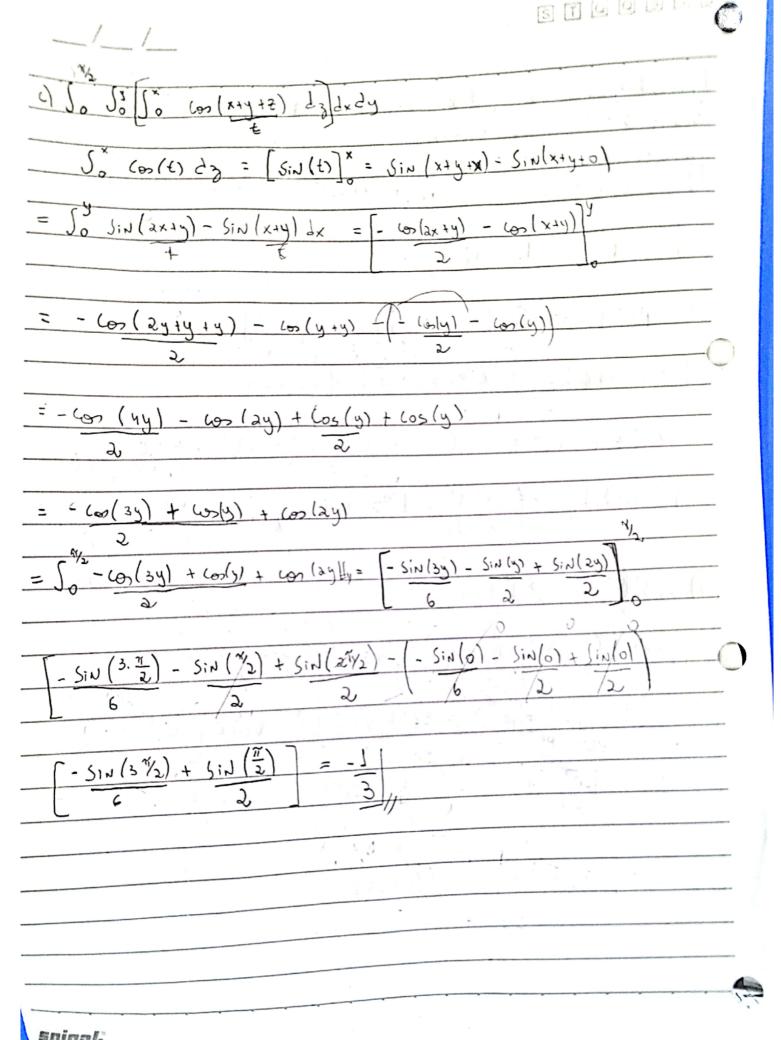
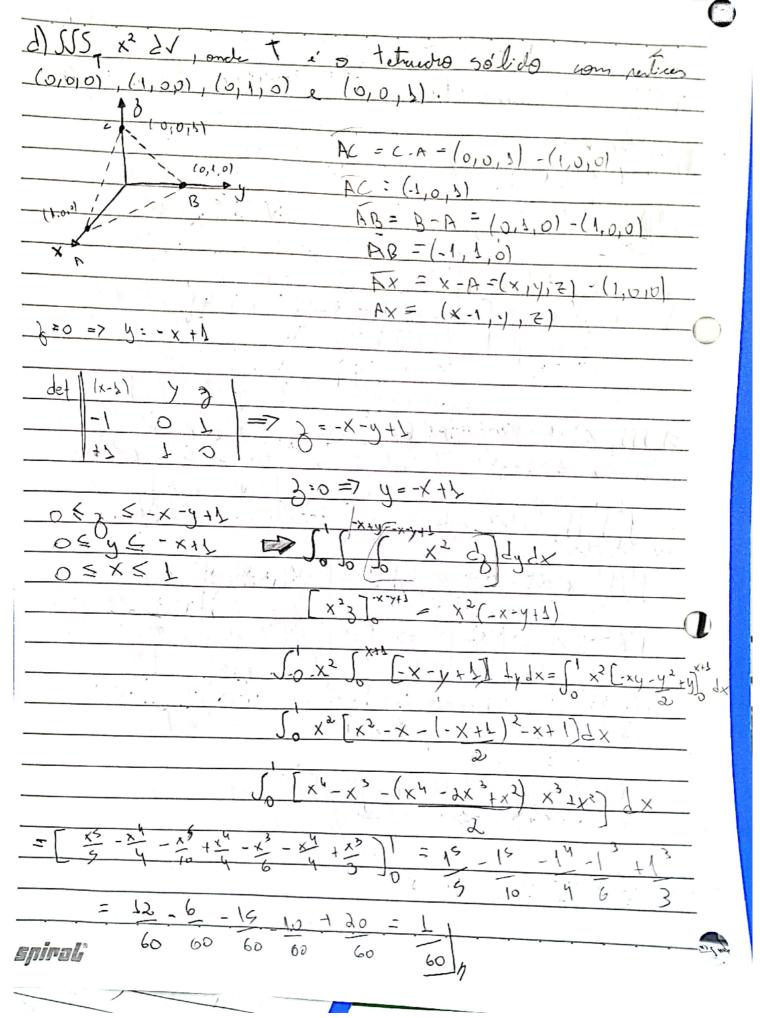
Vame à Deind de Silva Galrão RA 2408740 Lista 2 - Integrais triplas 1) alule a sitegal iterada 5. 5. 5. 6xz dyldxdz [6xyz] x+2 = 6x2.(x+2) => [6x2(x+2) dx]dz [6x7.x46x2.] = [6x2+6x2] =7[6x32+6x2] = 22.7 + 322.22 - (0) = 224 324 = 524 = 5 524 2 = [825] = 15-0=1 b) 5:55 50 zey dxlzdy [ze', x] = ze', VI-z2 - 0 => 50 50 ze', VI-z2 dzky J' ey dy = 1 [e'] 3 = 1(e3-1)

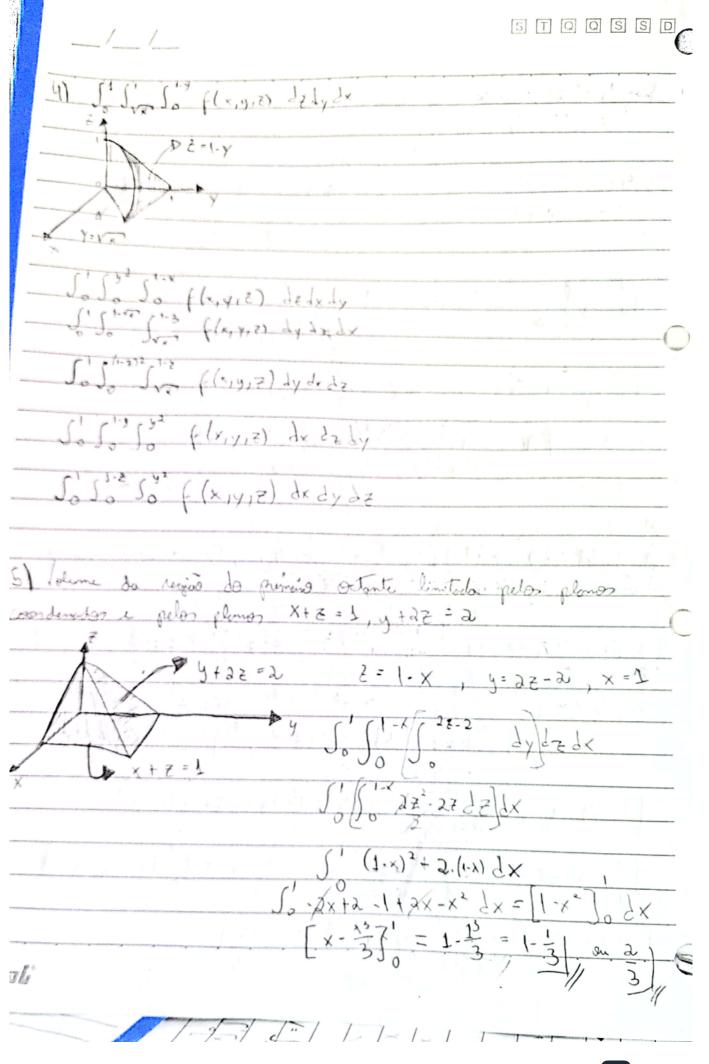


STQQSSD



__/__/

a) Calade a integral type a) SSS 2x 21, orde E = {(x,y,z)10 ≤ y ≤ 2,0 ≤ x ≤ √4-y2 o [] = 2x d3 | x dy = [2x3] = 2xy -0 e-c+20-20 -c'xe'+20 +20



12=16 1: 1=4

0 = 21

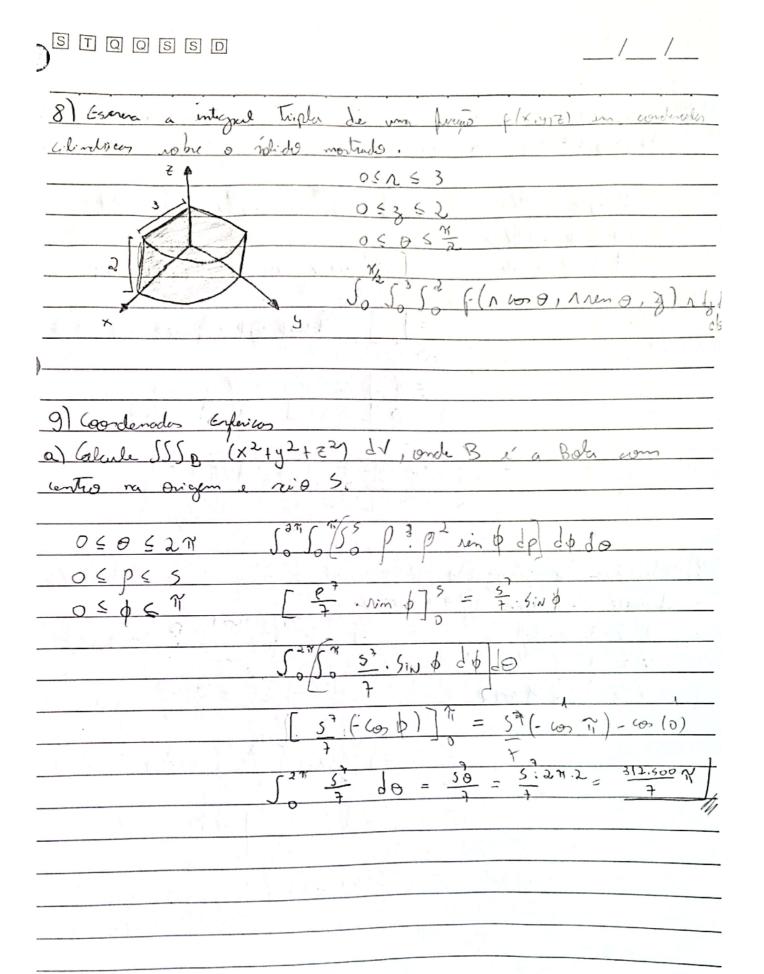
DSASS

060528 3 23 600 0 m = 82.13.6000

600 20 d0 = 2 0+ reno con 0

Spirali

STQQSSD __/__/__ Volume du regras E limitada pelos poroboloides Z = x2 +y2 e = Z = 16-3x2-3y2 4 12 = 26 => 12 => 1=3 [3 361-1" dydo = [362-14] 3 18.9-281 do 81 29 = [819] = 81 24 -0 = 1627 Jo Jo Si N (00 0 2 23) 10 m = [N (00 0 32) 2 N (00 0) 2 $\int_{0}^{2}\int_{0}^{2\pi} \Lambda \cos \theta \, dx - \frac{\Lambda^{2}}{2} \cos \theta \, dx = \left[+ \partial_{1} \Lambda \cos \theta - \frac{\Lambda^{2}}{2} \right] \sin \theta$ = 5° 0 dn = 0] ningL'



Spiral

