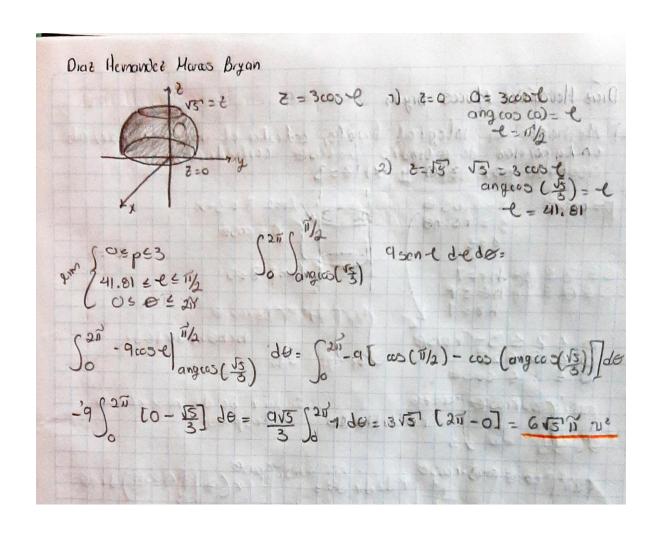
```
Diat Hernandez Marcos Bryan Marcos Bryan
 1) Resuelve la integral de superficie de la estera
   12 t à 1 t s = d entre s = 0 à 8 = 12
5= 5 Soull did prosessent + premissent prodeg
                         prscn2-(cos20+sen20)+ prcos21=9
 X= p 6000 sent
                                        p2 (sen21 + co31) =9
p2=9
 y = pseno sen e
  Z=pcosy
 F(0,1) = x2/42+2H = 3 ase sone2+ 3 sone soneg + 3 conth
 \frac{d\vec{r}}{d\theta} = -3 \text{ scne sen-lit} + 3 \cos s \text{ sentatoth}
 di = 3008cosent + 3 senecoses - 3 senen
  ) -35000 sent 30030 sent 0 = (-9.005050072)2
30000 0001 350000001 -35001 - (9500050072)3
IN = -quosescrien - quonescrient + (-quente sentust - quose cost cost sont)
11 nil= 181 cos20 sent (+81 senzesent (+81 senzecoste)
11/11 = 9/sen4 & + sen2 1 cos2-61
 Inil= 9/senze (senzet cosee) = 9/senzel
 Inll= 9 sene
```



Dut Herorice Hugs by an Diciz Herroindez Marcos Bryon 2) Mediante la integral triple, calcula el volumen encuado en la porcion de a lindro percos culindras) acotado por zeo y xt z=3 X= 1005 8 y = 15 che 2=2 0 4 2 4 3 - rase 0 4 9 5 2 17 0 4 r 4 cose se scope : la r de de nose elumna (2) (3-100) er (05e [27] cose [3-rose rdzdr de = [27] (ose r(2 |3+rcose) drde 1211 ( cost v (3-v cose ) drde = 5211 ( cose 3v - v cose de de [21 32 - 13050 use de = [30 [3 cos 6 - cos 6] - [0-0] de 52 3 cos se - cos de 40 cos co = 1 + 2 cos cool So 3 ( 1/2 cos (20) do - 520 costo de 10

3 (20 1 de + 4 sonce) = 3 (10 + 4 sonce) 20 [20 [20] 3/( 11+ sex(411))-(0+0) = 31 -3/20 coo4e de = -3/20 (coo2e)2 de [ Doo] 1(00(6)2 = + + 1(00(26) = (+ 1(00(20))2 女+立のいる)+立のかんなの) -352 4+7 cooce)+7 cos (50) 96 -3 [40+4 sence)] | 21 = -3 [=] -3 52 4 cus200 NO = - 12 17 -新元 (一号) No 3 - 13 = 18 1 - 3 1 = 15 1 [ N3]