F3 ANI CEI+BE 23/2

F3 ANII CFI+BF 23/24

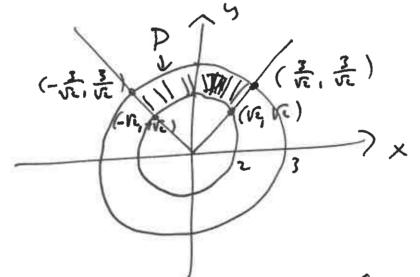
(2)

2) 
$$D = \{(x,y) \in \mathbb{R}^2 : -3 \le x \le 0 \land -\sqrt{9-x^2} \le 9 \le 0\} \cup \{(x,y) \in \mathbb{R}^2 : 0 \le x \le 3 \land -\sqrt{9-x^2} \le 9 \le -x+3\}$$

$$V_1 = \frac{1}{\sqrt{9-x^2}} \iff V_2^2 = 3 -x^2 \iff x^2 + y^2 = 9$$

$$(c(1calo c/caho c/ca$$





En cond. polans: X=1(0) +, y=15e 6 2 \le 1 \le 3, \frac{1}{4} \le 0 \le \frac{31T}{4}.

$$\iint \frac{x-y}{x^2+y^2} dA = \iint_{\frac{\pi}{4}} \frac{x(0)\theta - 2k_0\theta}{h^2} \int_{\frac{\pi}{4}} \frac{1}{h^2} dA = \iint_{\frac{\pi}{4}} \frac{x^2}{h^2} dA = \lim_{\frac{\pi}{4}} \frac{1}{h^2} \int_{\frac{\pi}{4}} \frac{x^2}{h^2$$

3 ANT LEL + BE

Cat de 3) 5 (010 - 26 di df =

Jana (1016-126)] 1=3 d6=

3(1016-6-6)-2(1016-6-6)dG=

(010-826d62[Se6+co16] Tile =

- V/-([+1])=-12.

## F3 AMIT LEI + BE 73/29



4°1 7=8-2x-49 plane en TR3 XZ y20: 7=8 (0/0,8) X2720:028-49 (2) 422 (0,2,6) y= 7=0: 0= 8-2x (x=4 (4,0,0) 7=0: 028-2X-45 (2) 2X+49ed (2) X+29=4 X≥D, 430, 730: 1° octante. X+29 =4 (+) タマーキナス MedV = SS dzdydx



$$\begin{cases}
\frac{1}{4} \cdot \frac{1}{2} + 1 \\
\frac{1}{4} \cdot \frac{1}{4}$$

F3 ANI LFI+BF 23/24

5) al X Eo, y Eo: 3° quadante no plano-xy Patato, TT 5 \$ 3TT.  $\sqrt{3(x^2+y^2)} = \sqrt{12-x^2-y^2}$  (a)  $3(x^2+y^2)=12-(x^2+y^2)$  (b)  $4(x^2+y^2) = 12$  (=)  $(x^2+y^2) = 3$  circle c/  $(x^2+y^2) = 12$  (and continuous)  $(x^2+y^2) = 3$  continuous  $(x^2+y^2) = 3$  co A parte sobre intakcçai. 7 = \( 3(x2+y2) \) Semi - (one positivo 72 /12-x2-52 Semi-esfera positiva c/ N2 /12 = 2 /3.

b) En (ondeneda: A esférical: A T  $O \le N \le 2\sqrt{3}$ ,  $T \le P \le \frac{3\pi}{2}$ ,  $O \le N \le \frac{\pi}{6}$ .

