The portion of the circle $y^2+z^2=0$ and is above the sectorale $P=2 (n i 8): 0 \le x \le 2, -3 \le 8 \le 3$

$$\frac{d^2}{dx} = 0$$

$$=\frac{-3}{2\sqrt{9-9}}$$

$$\frac{1}{\sqrt{\frac{d^2}{dn}}} \frac{2}{\sqrt{\frac{d^2}{dn}}} \frac{2}{\sqrt{1+\frac{d^2}{dn}}} \frac{$$

$$=\sqrt{0^2+\left(\frac{-6}{2\sqrt{9-8}}\right)^2+1}$$

$$=\sqrt{\frac{3^2}{2(9-3^2)}+1}$$

$$= \frac{9^{2} + 18 - 9^{2}}{2(9 - 9^{2})}$$

$$= \frac{9}{9 - 9^{2}}$$

$$= \frac{3}{\sqrt{9 - 9^{2}}}$$

$$= \frac{3}$$

Ethe portion of the plane. 2n +24 +2 -8 in the 5,85+ octant

> 2ntx8t2=8 2-8-2n-27

 $\frac{d^2}{dx} = -2$ $\frac{d^2}{dx} = -2$

 $\sqrt{(-2)^2 + (-2)^2 + 1} = \sqrt{4 + 4 + 1} = 3$

1 1 3 ax dy

= 3 /4 - 4 drs

= 3 [48-8/2] 4

= 3 [4x4-16/2]

= 2 T 16-8]

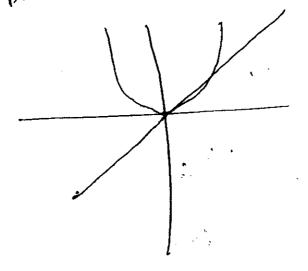
= 24

2n + 2y = 8, x + y = 4 x = 4 - 3y = 4 - n B) The postion of the cone 22 = 4x2 tay2.

Mund is above the revision in the fixt

and parabola 8=x2

and parabola 8=x2



Strong day day $= \sqrt{5} \int_{-\infty}^{1} (x-n^2) dn$ 三、下写【二之一号】 = 56(12-1/3) $= \sqrt{5} \left(\frac{3-2}{6} \right) =$

The portion of the surface

Th

(sio)

$$\frac{1}{\sqrt{4}} = \frac{1}{\sqrt{2}} = \frac{1}{\sqrt{4}} = \frac{1$$

portion of the core t= \sizt+yz that lies inside me m2+62=22 dr = 1 2 Vnitor dt = 1 2y かして ナーカル・ナー かしてかし、ナー nity thity 1 1 V2 r dr do 1. J. 4 cos 20 do (n-1)/+ 12=1

$$\frac{dz}{dn} = -2n \qquad \frac{dz}{ds} = -2is$$

$$\sqrt{4x^2+as^2+1} = \sqrt{4(x^2+8^2)+1}$$
= $\sqrt{4x^2+1}$

$$\chi^2 = 1 - 9^2 = 7$$
 $\chi^2 (1) = 1$

 $\int \sqrt{4x^{2} + 1} \times dx dx^{2} = 4x^{2} + 1 = 0$ $= \frac{1}{8} \int \sqrt{x^{2} + 1} dx dx dx$ $= \frac{1}{8} \times \frac{2}{3} \int \sqrt{x} \left[e^{3/2} \right]^{3} dx dx$ $= \frac{1}{12} \int \sqrt{x} dx dx dx$ $= \frac{1}{12} \int \sqrt{x} dx dx dx$ $= \frac{1}{3} \left((5)^{3} - (1)^{3} \right)$ $= \frac{1}{3} \left((4x^{2})^{3} - (1)^{3} \right)$

the portion of the Surface

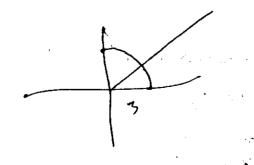
the portion of the Surface

the portion of the Surface

the surface the Sector

to me first awardsont bounded by

the lines to = 2/13 & 50 withying



= 232 \ T(24) 3 do = \frac{1}{3} \int^{\gamma\left(6.3m-1)} do 10/10-1 1/6 (10/10-1) K

$$\frac{3n^{2} + n^{2}}{3} = 9$$

$$\frac{27}{4} = 27$$

$$\frac{27}{4} = \frac{27}{4}$$

$$\frac{27}{$$

paraboloid 22=22+82 (6) The portion of the that is inside me colinder white = & 27 = 22+8 ナラデュー か2+82+1 82 = (2V2): ~ = 2 Th 1 x x2 ti r dr da 1. KZ/ 2/2 NO $=\frac{1}{3}\int_{0}^{2\pi}\left[2\pi-1\right]d\sigma$

~ = VII

[(16-22) 1/15T

 \overline{x}