(1)

$$fot u = (1+1.1+1.1+1)$$
$$= (2.2.2)$$

Z = [-12-y'

 $\frac{\partial x}{\partial z} = -\frac{x}{x}$

 $\frac{\partial z}{\partial y} = -\frac{y}{\sqrt{\frac{1}{11} - x^2 - y^2}}$

St. y, z, = 1 ds

= = 1 1 1 x + y + z = = m x a dr

 $h = \frac{\left(-\frac{\partial^2}{\partial x} - \frac{\partial^2}{\partial y} \cdot 1\right)}{\sqrt{\left(\frac{\partial^2}{\partial x}\right)^2 + \left(\frac{\partial^2}{\partial y}\right)^2 + 1}} = 2\left(\chi, y, \sqrt{\frac{1}{4} - \chi^2 y^2}\right)$

 $= 2(\lambda.9.Z)$

m x ul = 2 (y'+ 2'-xy-xx, x'+z'-yz-xy, x'+y'-xz-yz)

(2)
$$\chi^2 + y^2 + z^2 = \frac{1}{4}$$

(3)

$$\overline{}$$

$$\bigcup_{i}$$