Tarea 1 Física:

1cc+ -Pest

 $r(X, y, Z) = \sqrt{\chi^2 + y^2 + Z^2}$ $\theta(X, y, Z) = +an^{-1}(\frac{Z}{7})$ $\phi(X, y, Z) = +an^{-1}(\frac{y}{7})$

est - P cil

R(r,θ,φ) = r Sin(θ)

 $\alpha(r,\theta,\phi) = \theta$ $\alpha(r,\theta,\phi) = r\cos(\theta)$

 $\chi(r_1\theta_1\theta) = r\sin(\theta)\cos(\theta)$ est -D/ect $\gamma(r_1\theta_1\theta) = r\sin(\theta)\sin(\theta)$

 $Z(r,\theta,\phi) = r(os(\theta))$

D(X, Y, Z) = \x2+y2

L(X, y, Z) = +an-1(y/2)

Z (2,4,2) = Z

cil prect

rect - cil

x(R, L, Z) = rsin(L)

y(12, 2, 2)= rco)(2)

三(1712)= 至