

LET $\underline{F}_1 = \frac{(0, zx, -xy)}{\rho(y^2+z^2)}$

$$\underline{F}_2 = \frac{(-yz, 0, xy)}{\rho(x^2+z^2)}$$

$$\underline{F}_3 = \frac{(yz, -zx, 0)}{\rho(x^2+y^2)} = \cos\phi (\sin\theta, -\cos\theta, 0)$$

EACH HAS ~~XXXXXXXXXX~~ CURL

$$\frac{(x, y, z)}{\rho^3}$$