a) r>a

b) rLa

§ B dl = 2rTT

7 = 2 x + 2 9 + 3 2

 $\nabla \mathcal{E} = \begin{pmatrix} x & y & 2 \\ \frac{2}{3x} & \frac{2}{34} & \frac{2}{32} \end{pmatrix}$

$$B 2r \pi = \frac{\mu_0 \left(r^2 \pi \right)}{\pi a^2} = \frac{\beta - \frac{\mu_0}{r}}{2\sigma a^2}$$

$$TT = \frac{1}{4\pi a^2}$$

$$\circ(\hat{g}-\hat{z})$$

$$F_{L}=g\overline{x}\overline{g}$$
 $g=e$
 $F_{L}=g\overline{x}\overline{g}$ $g=e$
 $g=e$

E= Ex sin (wt - kz)x + Ey (wt-kz)ŷ

= x (0+Eyk) - g(0+Exkcos(w+-k2))

