1. 
$$E_{x}(3,t) = E_{0x} \cos(k_3 - \omega t)$$

$$E_{x}(3,t) = E_{0x} \cos(k_3 - \omega t)$$

$$E_{y}(3,t) = E_{0y} \cos(k_3 - \omega t)$$

$$E_{y}(3,t) = E_{0y}(3,t)$$

$$E_{x}(3,t) + E_{y}(3,t)$$

$$E_{x}(3,t) + E_{y}(3,t)$$

E = (Eox ? - Eoy)) Cos(K3-WK)

Ex(3,t) = Eo Sin(K3-WE)? Eox= Eoy= Fo

Ex(3,t) = Eo Sin(K3-WE)?

Ex(3,t) = Eo Sin(K3-WE)?

 $\vec{E} = E_0 \left[ \cos(k_3 - \omega_4)^2 + \sin(k_3 - \omega_4)^2 \right]$ 

$$E_{\chi}(3,t) = E_{\eta}(3,t) = E_{\eta}(3,t) + E_{\eta}(3,t)$$

$$E_{\chi}(3,t) = E_{\chi}(3,t) + E_{\eta}(3,t)$$

$$E_{\chi}(3,t) = E_{\chi}(3,t)$$