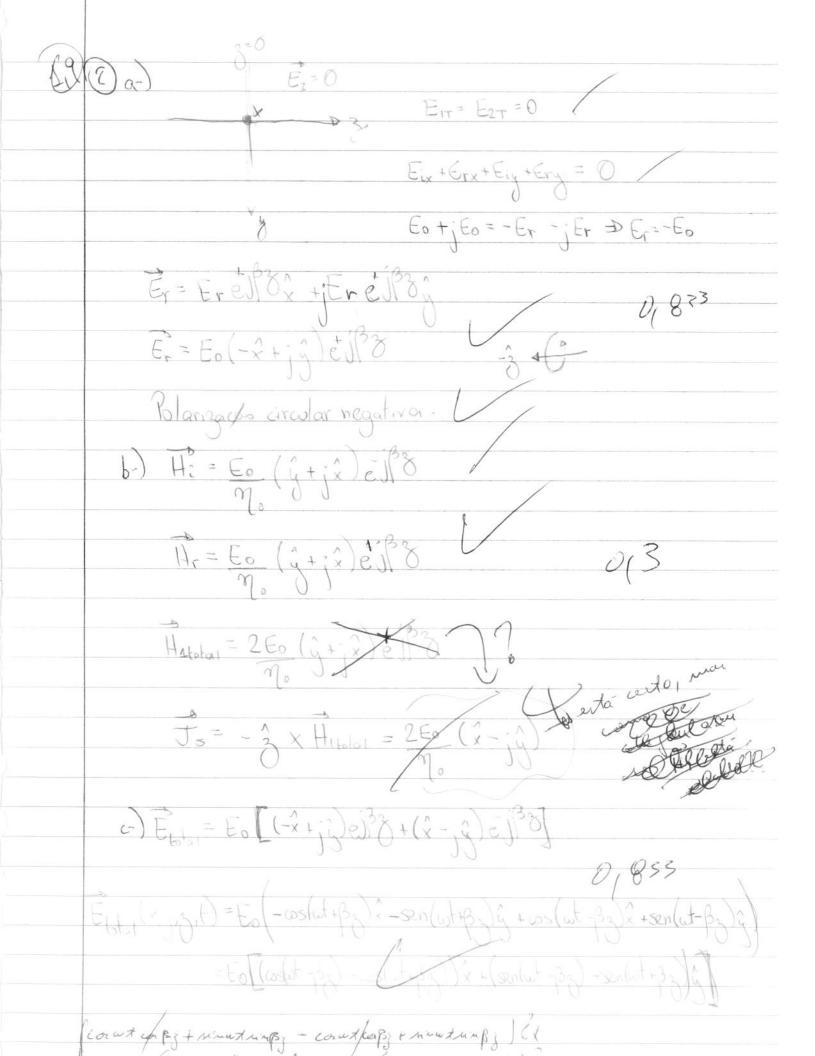
Daniel da Costa Rechi RA:081362

$$V = \frac{1}{2} = \frac{10^{2}}{5} \left(\frac{1 - \frac{1}{10^{2}}}{5}\right)^{1/2}$$
 $V = \frac{1}{2} = \frac{1}{5} \left(\frac{1 - \frac{1}{10^{2}}}{5}\right)^{1/2} = 0.43 + \frac{1}{3} = 93.3$
 $V = \frac{1}{3} = \frac{$

$$\vec{E} = \vec{E} \circ \vec{e}^{XX} \hat{g}$$

$$\vec{E} (x,t) = \vec{E} \circ \vec{e}^{XX} \cos(\omega t - \beta x) \hat{g}$$



(4) b) pmi = 1 (m/2+(n/2 1+2) / 2 1/2 (b) 2 1/2 V=13 = 12 = Th^2-wine Como /2 = (M#) 2+ (N#) 2 B=-: \(\left(\text{m\pi}\right)^2 + \left(\n\pi)^2 - \wdots^2\mu\E 3= \wu u = - (m\pi)2 - (n\pi)2 $10f_{mn} = \omega = \omega \left(\omega^{2}_{LE} - \left(\frac{m\pi}{o} \right)^{2} - \left(\frac{n\pi}{b} \right)^{2} \right) \frac{1}{m/s}$ Ngmn = $\frac{1}{48/4\omega} \frac{dB}{d\omega} = \frac{1}{2} \left(\frac{\omega^2 \mu \epsilon}{a} - \frac{m\pi^2}{b} - \frac{1}{2} \right)^2$, $\frac{2\omega \mu \epsilon}{b}$ 19gm = (248-(MT)2-(HT)2)/2 0,625 GELH > E.H=0 E.H - (Ex Hx + E) Hy = 88 E.H = - XWE MAT KOSM MATE SIM MATE SIM MATE COS (MITE WY MATE OF) + + : The / MITI/NE / Cosm/mit = sulper tossint + cosmic 1 = 03 - 0 cod

