

Problema Clase

$$\vec{E} = 10y \hat{j} \text{ N/C}$$

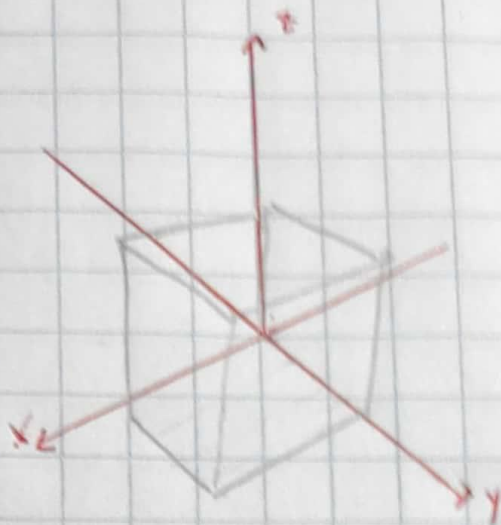
$$a = 10 \text{ cm.}$$

$$\Phi_1 = \int \vec{E} \cdot d\vec{A} \cos(\theta)$$

$$= \int_0^a 10y \, dy = 5a^2 = 0.005$$

$$\Phi_2 = \int \vec{E} \cdot d\vec{A} \cos(\theta)$$

$$= \int_0^a 10y \, dy = 5a^2 = 0.005$$



$$\Phi_r = 0.005 + 0.005$$

$$\Phi_r = 0.01$$

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