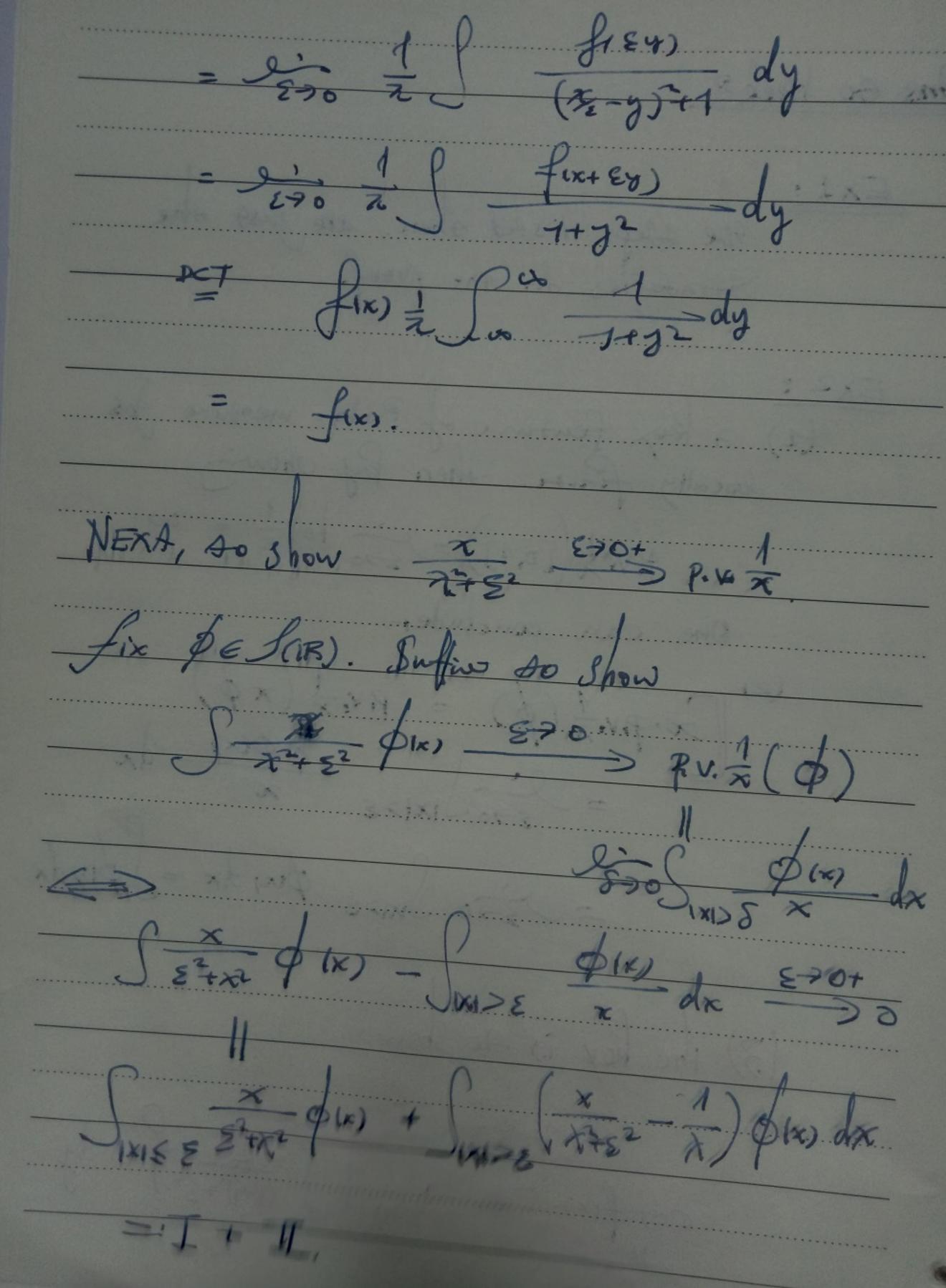
Ams Do Week 8 the steps to sted shere are just the Stradefies for the proof. (1) a kox fenture of Radon measure fis locally firm then by showing P. V. \( \( \( \Gamma( \Gamma(



 $T = \int_{-\frac{x}{2}}^{\frac{x}{2}} \frac{1}{\varphi(\epsilon \times 1)} dx$ = Smc1 = p(EX) dx 270t > (x) (1 7+x) \$ (0) dx  $I = \int_{|x| > \varepsilon} \left( \frac{x}{x^2 + \varepsilon^2} - \frac{1}{x} \right) \phi(x)$  $\frac{1}{|x|>\epsilon} \frac{x^2-x^2-\epsilon^2}{x(x^2+\epsilon^2)} = \phi(x) dx$ = - J ( ) ( ) d × ( ) d × ( ) d × ( ) d ×