We	Know	develop	ow	our understandin	
4.	work	packets	67	start	היית
with	e 55e	ntial P	repesiti	icn-b	and
		Fourier			

Pf: Let YES(12) satisfy
· 0 = 4 (3) = 1 for all 3 = 12
· 4 = 1 on Eryiz
• 4 = 6 on [-2, 2] ^C
For N>O, define
$\Psi_{N}(z) = \Psi(N^{-1}z)$
and $\phi_{N}(x) := \int_{\mathbb{R}^{2}} e(xx) \psi(N^{-1}x) dx$
$= N \int_{\mathbb{R}} c(N \times 3) \Psi(3) d3.$
$= N \phi_1(N_X).$
Then, since $\hat{\phi}_N(3)=1$ on E-N, N],
$F = F \neq \phi_N$ and $\frac{d}{d_n} \phi_N = N (N \phi_1'(N \times S))$. $\ N \phi_1'(N \to H_1) = \ \phi_1'\ _{L^2} \leq 1$.
$\ N \phi'_1 (N - M) \ _1 = \ \phi'_1 \ _{L^2} \leq 1.$
$=) f' _{p} = \phi_{n'} f_{p} + \phi_{n'} _{1} f _{p}$
EN IIFIIP I.