$\frac{20127104(I)}{2(2)} = \int_{-\infty}^{\infty} f(x)e^{-iRx}dx = \int_{-\infty}^{\infty} e^{-iRx}dx = \int_{-\infty}^{\infty} e^{-iRx}dx = \int_{-\infty}^{\infty} f(x)e^{-iRx}dx = \int_{-\infty}^{\infty} f$  $= \int_{-\infty}^{\infty} e^{-\frac{z^{2}}{4\eta}} \frac{dz}{dz} = \frac{1}{\sqrt{\eta}} e^{\frac{z^{2}}{4\eta}} \int_{-\infty}^{\infty} e^{-\frac{z^{2}}{4\eta}} \frac{dz}{dz} = \int_{-\infty}^{\infty} e^{-\frac{z^{2}}{4\eta}} \int_$  $=i2\int_{-\infty}^{\infty}f(x)exp(-i2x)dx=i2f(2)$  $\frac{\text{H.h.}(\alpha) = \ell''(\alpha)}{\text{h.l.}(2) = i \cancel{2} \ell'(2) = (i \cancel{2})^2 \ell'(2) = -3^2 \ell'(2)}$  $\psi'' = \psi \xrightarrow{\text{FT WRTX}} \frac{2}{-8^2 \psi(8, t)} = \frac{3\psi(8, t)}{3t}$   $\frac{23}{24} = \frac{2}{24} = \frac{$  $\frac{\sqrt{(2,t=0)} = \int_{-\infty}^{\infty} \psi(x,t=0)}{e^{iRx}} dx = \int_{-\infty}^{\infty} e^{iRx} dx = \int$ 

$$\frac{2012 \text{ P104 (II)}}{\sqrt[4]{(2,+3)}} = \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} = \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} = \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} = \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} = \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} = \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} = \frac{1}{\sqrt{2}} \frac{$$