$$f(\omega) = \int f(t) e^{-j\omega t} dt$$

$$f(t) = \int f(t) e^{-j\omega t} dt = \int t + t_0 = a$$

$$= \int f(a) e^{-j\omega a} e^{-(f+o)j\omega} da = \int f(a) e^{-j\omega a} da = \int$$

real: Freal (w).cos (wto) & shift affects both image: Fimap (w). Sin (wto) & real and image parts

