

dirac delta function f(x)= { t=to, = a t+to, =0 by def FEf(x) }= I for f(x) e-inx dx = 1 Soe dx + Stoge wx Joe inx $= \int_{0}^{t_{0}} de^{-i\omega x} dx$ = Jan ae to = - qe -iwto -iwto -iw

.4(iw) 2(++to) 7 -2(iw)(t+to) under, ned