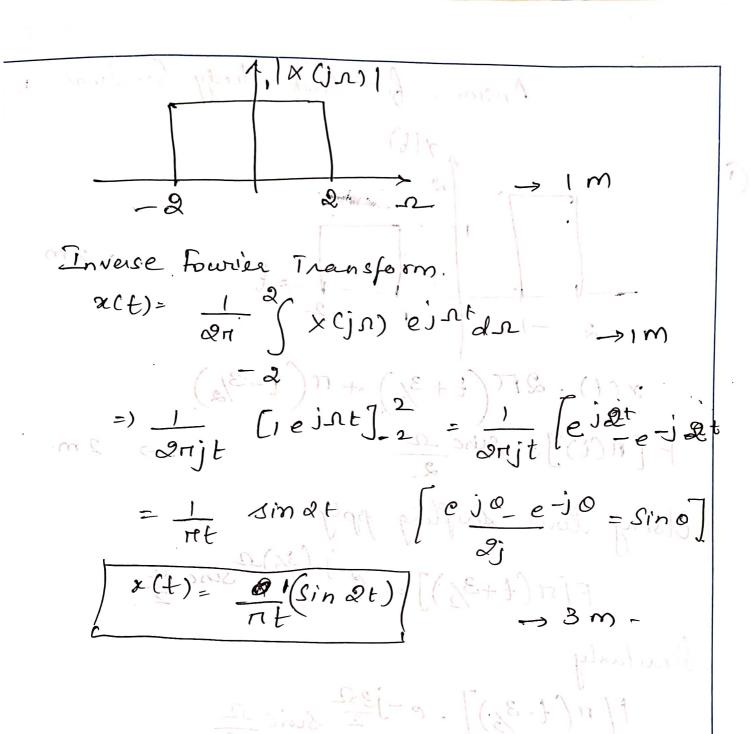
Answere for Case Study Questions: $2(t) = 2\pi(t+3/2) + \pi(t-3/2)$ F[M(t)]= sinc_2 Using line shifting ppty $F\left[\pi\left(t+3/2\right)\right]=C\left(3/2\right)\Omega \sin c\Omega$ Similarly F[11 (t-3/2)] = e-j3/2 sinc 12 $F(a(t)) = x(jn) = 2e^{j3/2} Since \frac{n}{2} + e^{-j\frac{3}{2}} since$ (X(jn)=) de 1/2 sinc 1/2 + e-1/2 2 sinc 1/2

SRM



[(a(1)] = x((a)) . 20 13 - 5 chic -

X(10) 2 25 32. C- (11) X