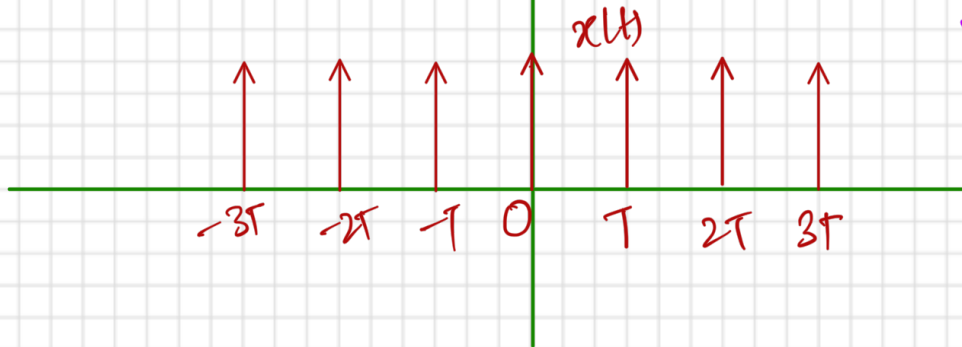


10/14/2024

- ① Compute the fourier transform of a truncated Dirac delta function  $x(t) = \sum_{n=-3}^3 \delta_c(t-nT)$  given below:  
using integral formula for Fourier transform. (5 points)



Hint: Take summation  $\sum$  out of the integral  $\int$ .

- Q2. Using Laplace transform, find the fourier transform of  $x(t) = A[u(t) - u(t-b)]$ .

