خاله الولوك





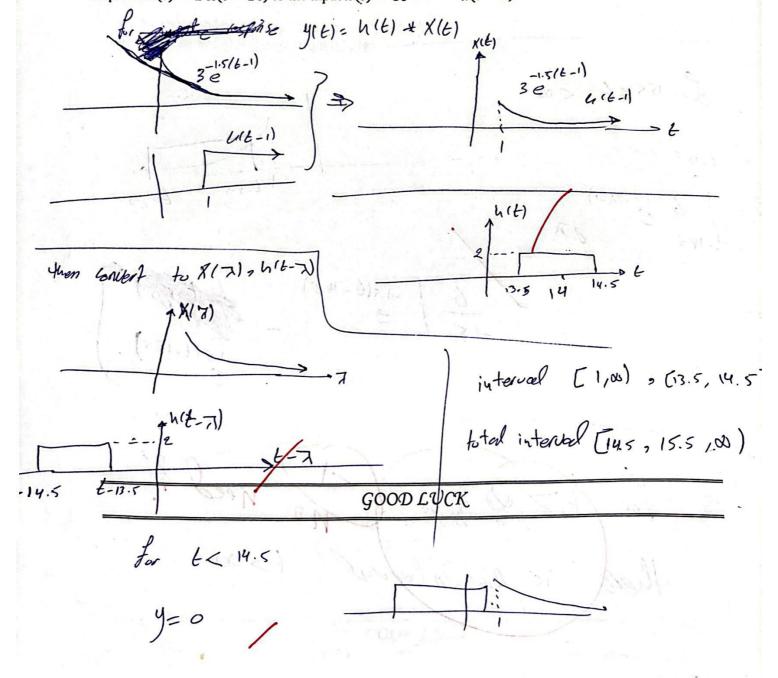
## Faculty of Engineering Electrical and Computer Engineering Department Signal And Systems, ENEE2312 Quiz#2

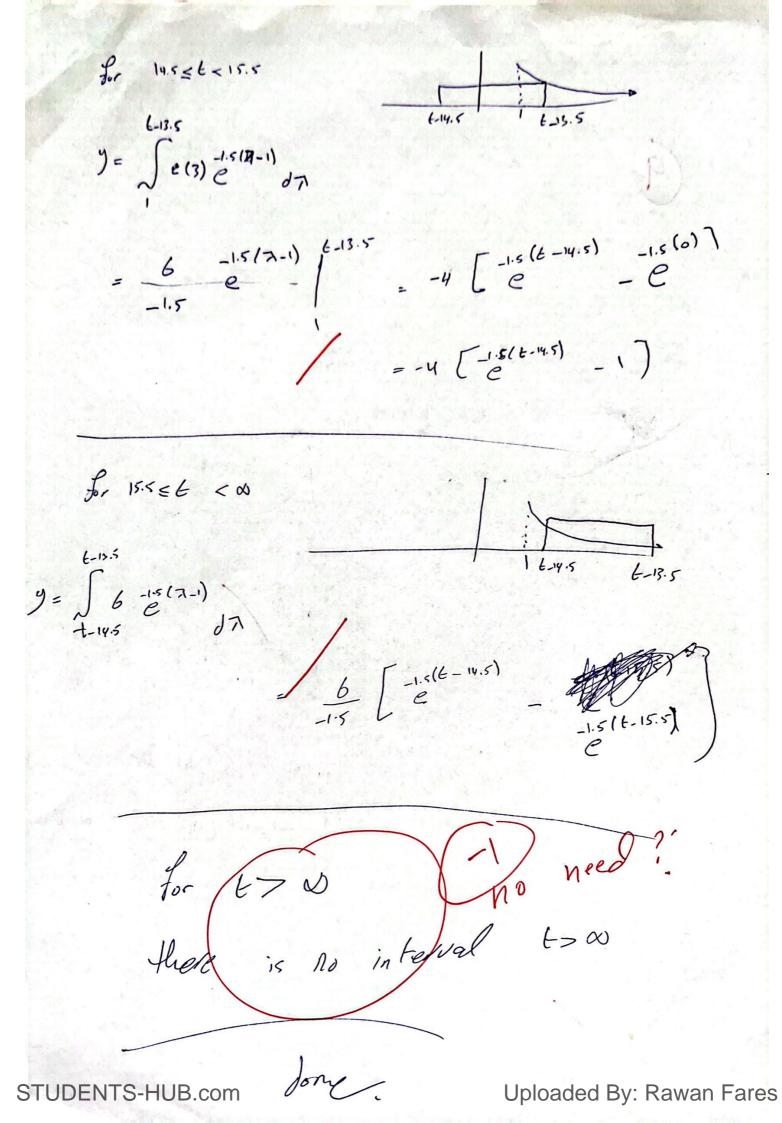
Dr. Ashraf Al-Rimawi

Date: 15/08/2024

Problem #1:

Compute, using convolution integral, the response of the following LTI systems, with impulse response  $h(t) = 2 \Pi(t-14)$  to the input  $x(t) = 3e^{-1.5(t-1)}u(t-1)$ 







## Faculty of Engineering Electrical and Computer Engineering Department Signal and Systems, ENEE2312 Quiz#4

Dr.Ashraf Al-Rimawi

Date:22/08/2024

Problem #1: Consider signal  $x(t) = \sum_{n=-\infty}^{\infty} \Lambda(2(t-5n))$  multiplies with  $c(t) = 1 + \cos(100\pi t)$  to produce y(t) = x(t)c(t)

a. Evaluate and plot the spectrum of x(t), and c(t)

b. Evaluate and plot the spectrum of y(t)

GOOD LUCK