

ECE250: Signals & Systems

Assignment 2: Report

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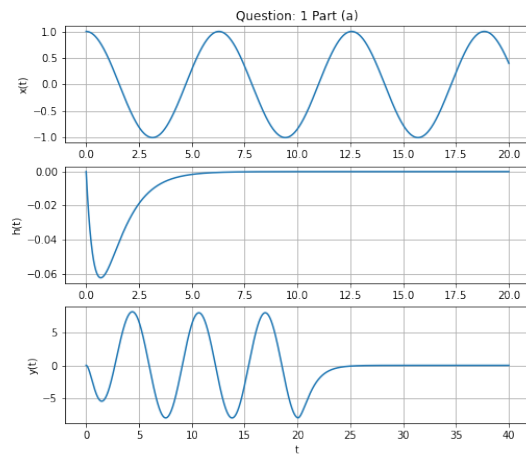
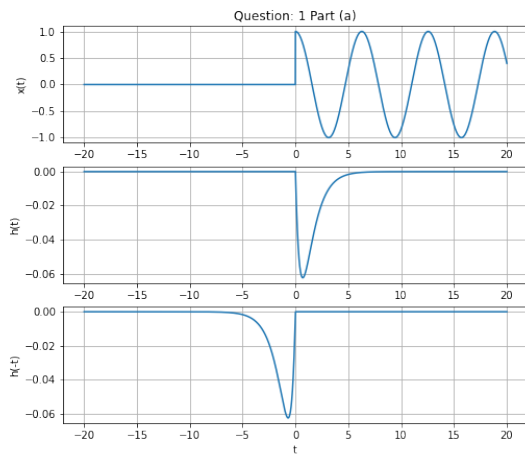
September 30, 2022

Assumptions:

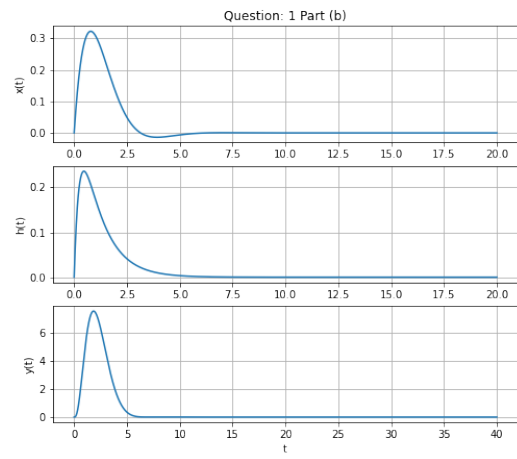
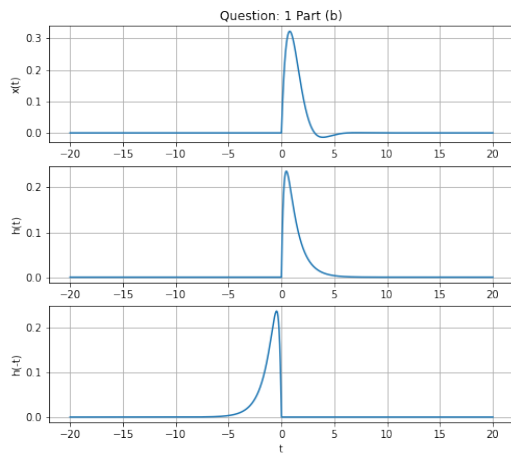
1. The signal $u(t)$ is the unit-step signal, defined below:

$$u(t) = \begin{cases} 1 & \text{if } t \geq 0 \\ 0 & \text{if } t < 0 \end{cases} \quad (1)$$

Question: 1



Subplots for Question: 1 (a)



Subplots for **Question: 1 (b)**