Question 3

a) This question is concerning convolution integral. Using convolution, calculate and plot the output y(t) for the following input signal and impulse response: [12 marks]

$$x(t) = u(t)$$

and

$$h(t) = \begin{cases} 0 & \text{otherwise} \\ 1 + t & -1 \le t \le 0 \end{cases}$$

	Do not write in this column