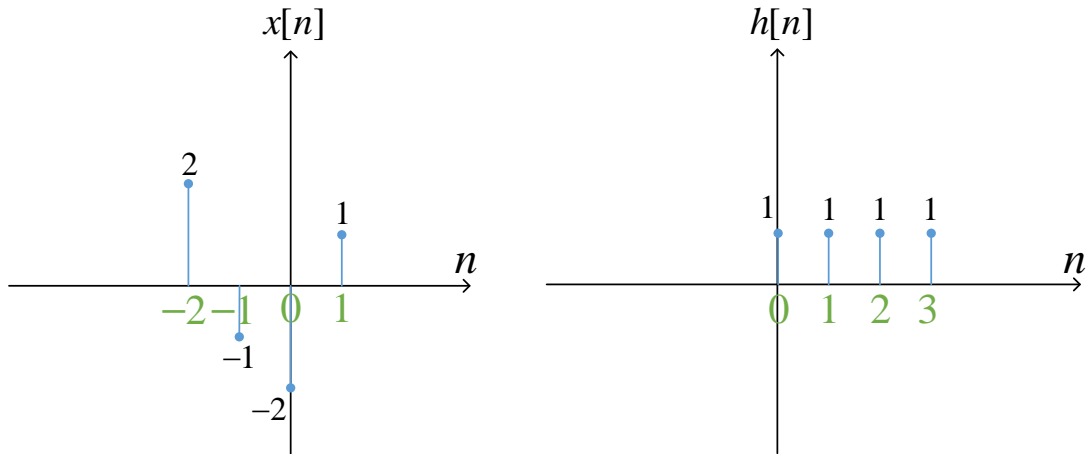


Homework No. 2

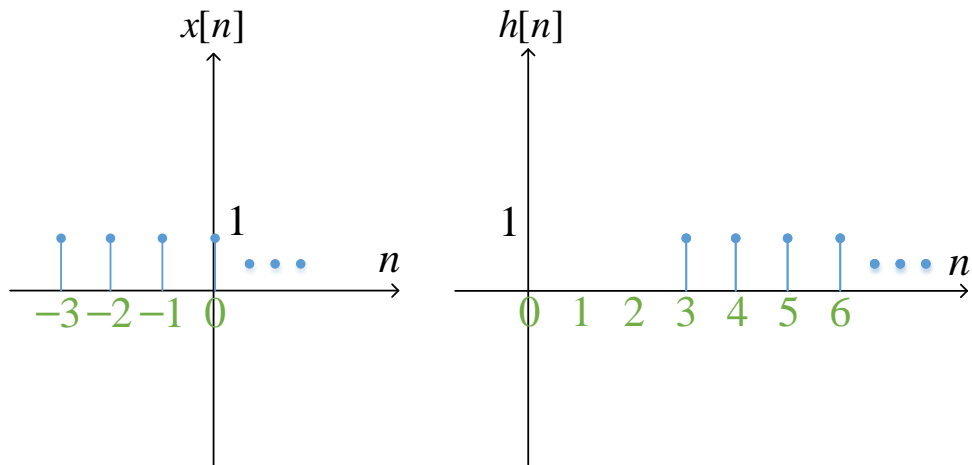
Due 16:20 pm, October 20, 2016

1. Find and sketch $y[n] = x[n] * h[n]$ for each of the following cases:

(1)

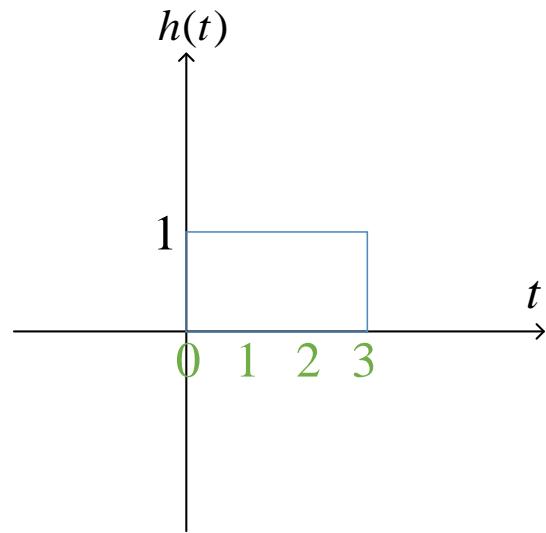
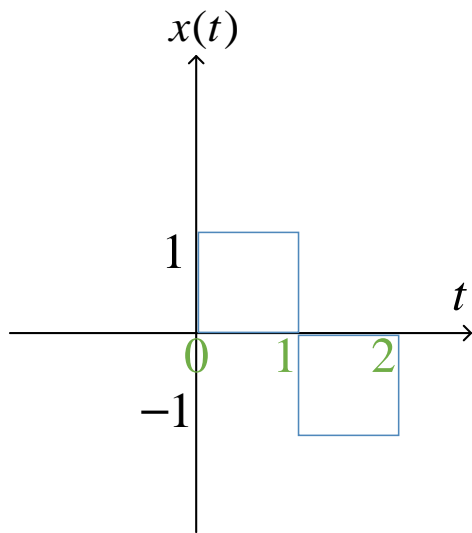


(2) $x[n] = u[n+3]$, $h[n] = u[n-3]$



2. Consider a continuous-time linear time-invariant (LTI) system with the impulse response $h(t)$ and the input signal $x(t)$. Determine the output $y(t)$ for each of the following cases:

(1)



(2)

