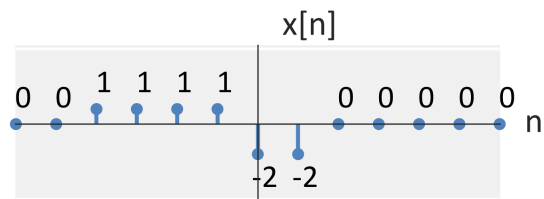
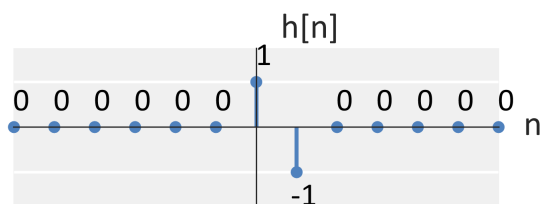


Question #1: Consider the input signal

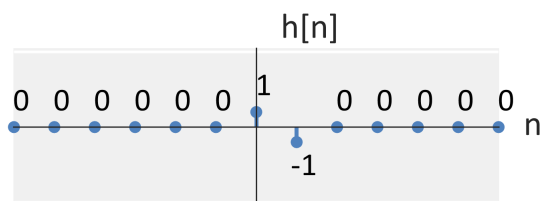
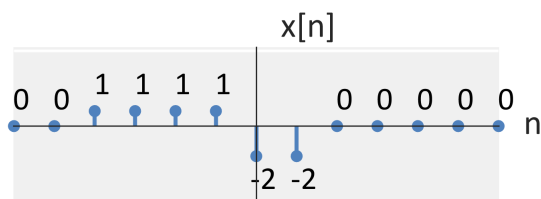


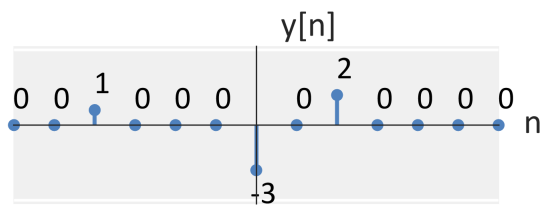
For each impulse response corresponding to an LTI system below, sketch the system's output (for $6 \leq n \leq 6$) with input $x[n]$.

(a) $h[n] = \delta[n] - \delta[n - 1]$

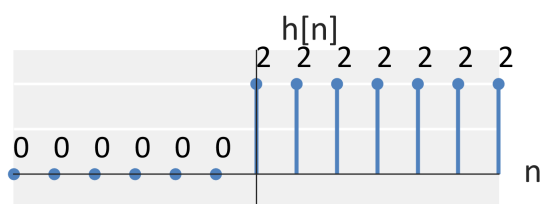


Solution:





(b) $h[n] = 2u[n]$



Solution:

