PROBLEM:

Let
$$x[n] = 2u[n] - 2u[n-6]$$
 and $h[n] = \begin{cases} \frac{1}{2}(2)^n & 0 \le n \le 3\\ 0 & \text{otherwise.} \end{cases}$





Label the amplitudes for each sample.

(b) If we now assume $x[n] = \delta[n] + \delta[n-1] + \delta[n-2]$ and y[n] = x[n] * h[n], where h[n] is as defined above, plot y[n] on the axis below.

$$-10$$
 -5 0 5 10 n