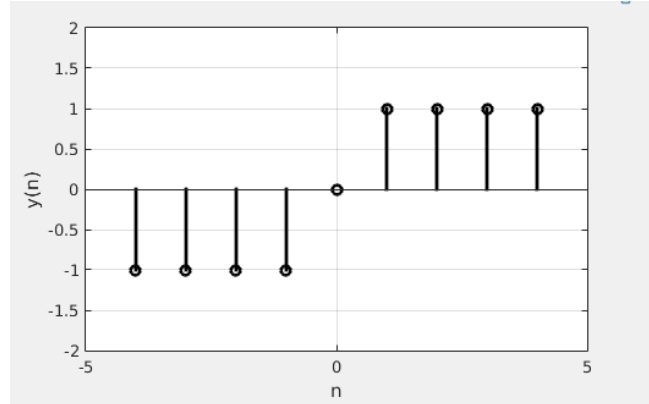
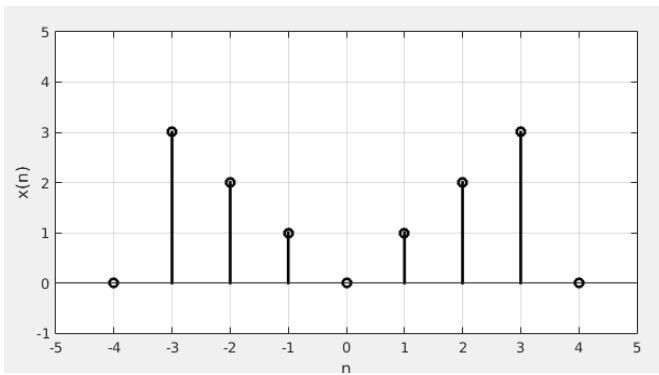


## LISTA DE EXERCÍCIOS SIS29005

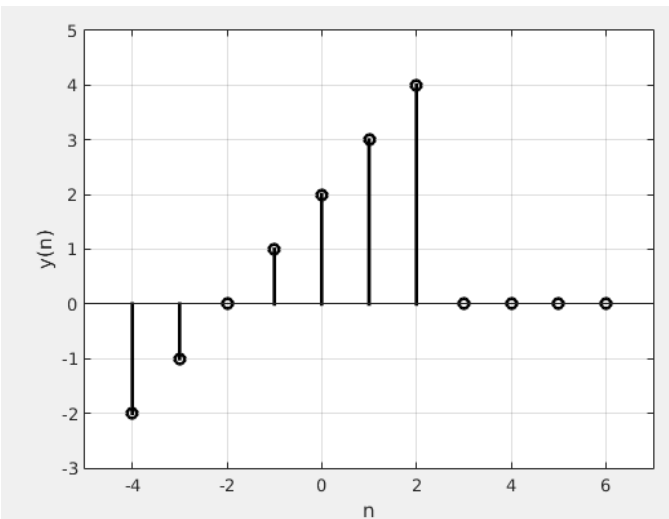
1) Dado os sinais abaixo:



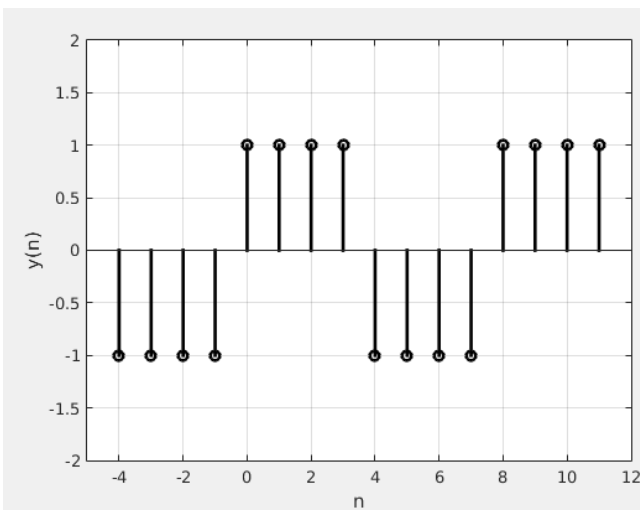
**Calcule:**

- $x[2n]$ ;
- $x[3n-1]$ ;
- $y[1-n]$ ;
- $y[2-2n]$ ;
- $x[n-2]+y[n+2]$ ;
- $x[n+2]+y[n-2]$ ;
- $x[n]*y[-2-n]$ ;

2) Calcule a energia do sinal abaixo:



3) Calcule a potência do sinal abaixo:



4) Rascunhe os seguintes sinais:

- a)  $(n+2) \cdot [(u(n+4) - u(n-3))]$
- b)  $-u(n+4) + 2 \cdot u(n) - 2 \cdot u(n-4) + u(n-8)$
- c)  $2 \cdot u[n] - u[n-3] - u[n-5]$
- d)  $(n-2) \cdot (u[n-2] - u[n-6])$
- e)  $u[n] + 2 \cdot u[n-5] - u[n-10]$

5) Resolva as seguintes equações recursivas (apenas os 3 primeiros termos)  
3.5-1 à 3.5.5 (Livro)