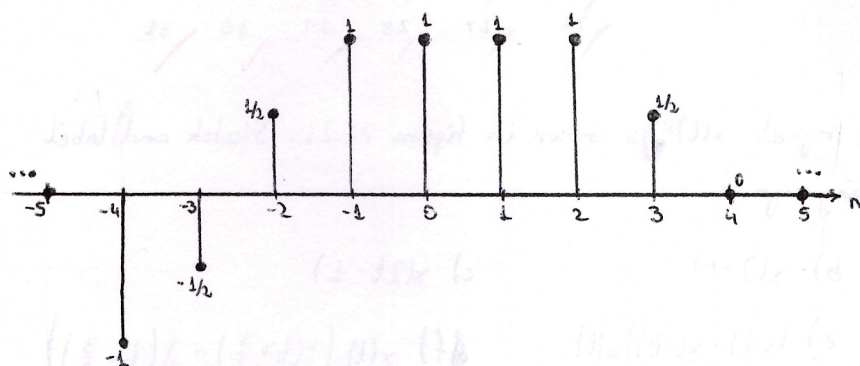


1.22. A discrete time signal is shown in Figure P1.22. Sketch and label carefully each of the following signals.



- a)  $x[n-4]$
- b)  $x[3-n]$
- c)  $x[3n]$
- d)  $x[3n+1]$
- e)  $x[n] u[3-n]$
- f)  $x[n-2] \delta[n-2]$
- g)  $\frac{1}{2} x[n] + \frac{1}{2} (-1)^n x[n]$
- h)  $x[(n-1)^2]$

