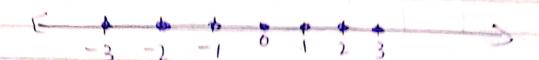
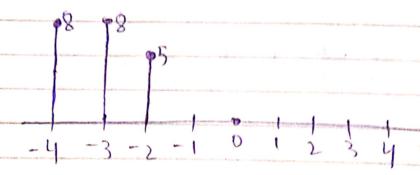


W[k] L[1-k]:



Now Put n=2: Y[D] = \$\frac{2}{5} \n[k] \lambda[2-k]

L[2-K];



x[k]h[2-k];

you the sum is $\sum_{K=-\infty}^{\infty} N[K] h[-K] = 0 + 0 + 0 + 0 + 0 + 0 + 0 + 0 = 40$ $\sum_{K=-\infty}^{\infty} N[K] h[1-K] = 0 + 0 + 0 + 0 + 0 = 0$ STN[K]L[2-K]= 0+D+0+0---=0 14) ANS: #LTI systems are both Linear and time Invariant. A Linear systems whose outputs for a linear Combination are the same as a linear combination out individual responses to those inputs. * Time invariant systems are independent upon time. These properties make LT1 systems easy to represent and Understand graphically.