Given au LTI system 34[n] output y [n] 2 x (n) = a [n) [-] x [n] = e jun' T = 5 h [K] x (n-k] = Eh[k] etjw(n-k) = = h(k)e e e = e Zh(k)e = o) wy H(o).

Given a dixette time UTI system yen) = xent hen) Y(ejw) = Z(zpn)*hlu) = jan = Ex[K]h[n-K]e = 50 alk? = hln-kjeim. === x[k]· e H(ejw). = Heim sackletus = H(e)w) x(e)w)