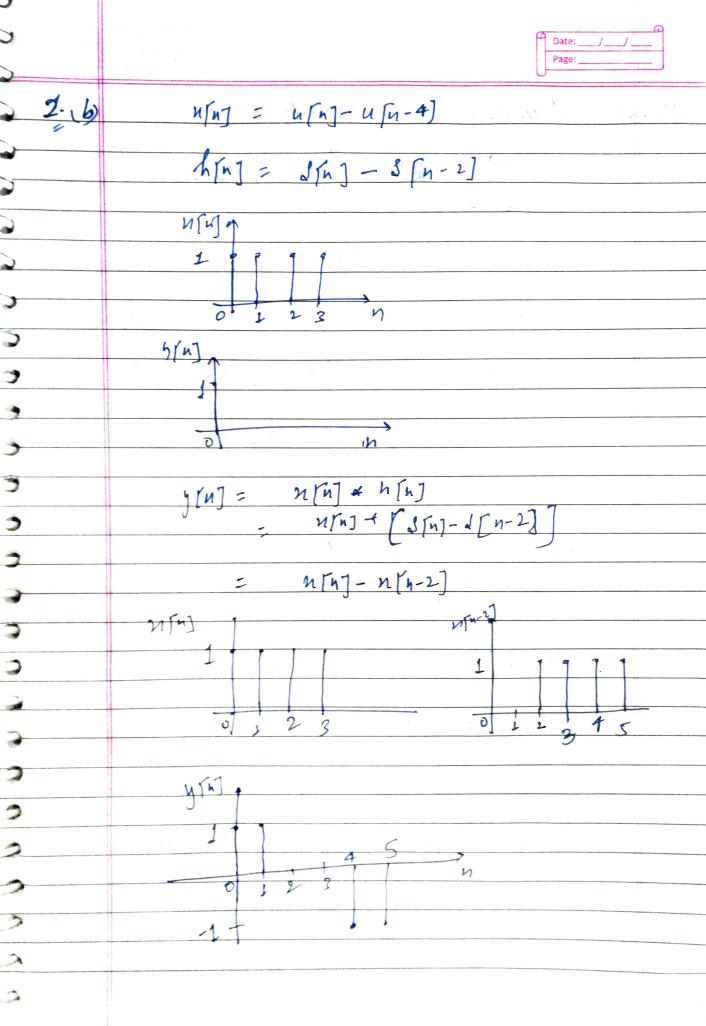
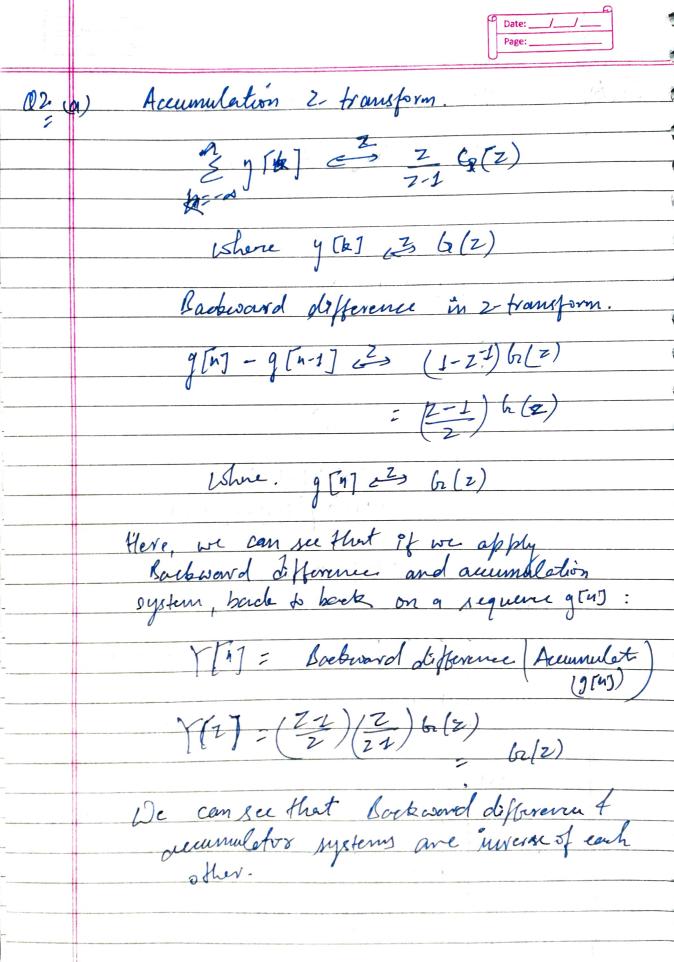
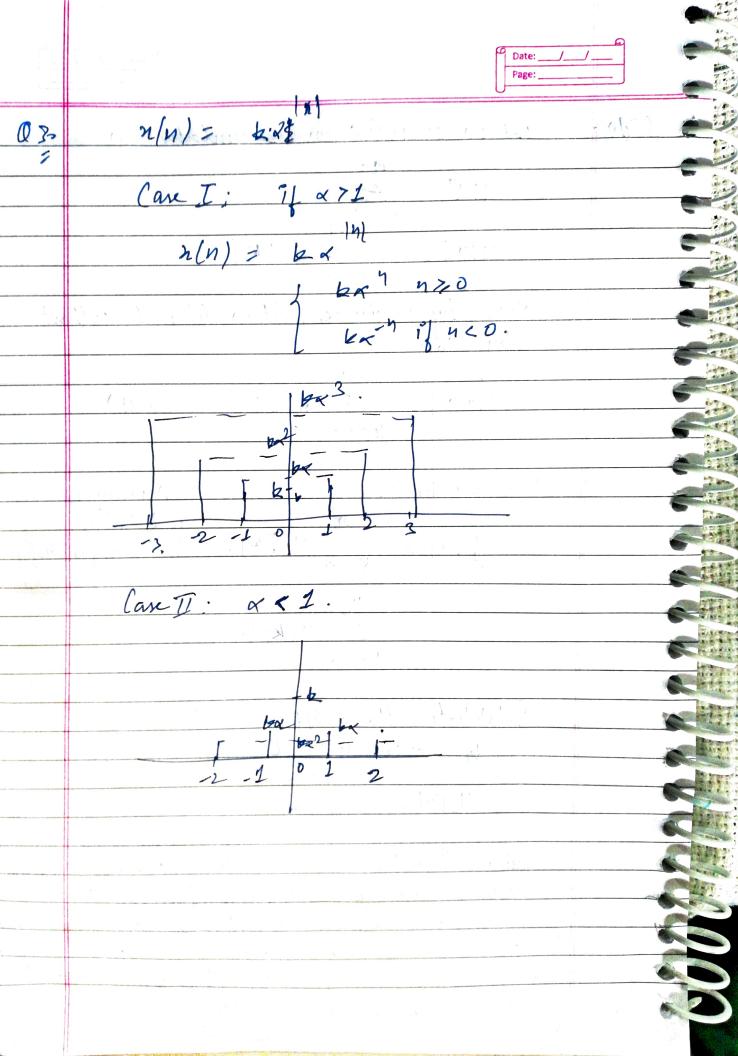
Digital Signal Processing Pratyush Taiswal 18EE35014 n (at+ 5) 01-(a) a= 2, b=-1 2 (21-1) This is the final plot of 2(2+-1).





2		
5	- <del></del>	A Comment of the Comm
		Date:/    Page:
-		
	Q26)	let us consider un accumulation ces
-		1A -
-C		yru E
		W. A
-		y[n] = E n[k]
2		
>		Now, by variance, let us delay the output
2		by no.
		y No
		$\frac{y[n-n_0]}{k=-\infty} = \frac{\sum n[k]}{k} - (1)$
2		K=-~
)		At a land
)		Now, we find, Assuming,
3		y[n] = E n; [h]. ) = n[u-no].
_		July = 2 Miles. ) = n [u-ho].
		n
		$= \left\{ 2 \left[ k - n_0 \right] \right\} $
		b=->
2		
		Substitute the skiff in variables as
		Substitute the skift in variables as
		$y_{1}[n] = \underbrace{\mathcal{L}}_{1}[b_{1}].$
		y, [n] = 1 [b_1].
3		B15-00
	`	Since the inden & in eg () & ender by in
		eg (2) are during indices of summetion.
3		and can be replaced by any other labels, ay (1) & eg (2) are equal. If therefore
grade the second		ay (1) & eg (1) are equal. If therefore
		y [n] = y [n-no]. No the accumulator
and the same of th		is a time awarrant system.



for x 71. The graph enponentially increases to both sides. There fore three will not be a Common Loc to left sided of wight sided Common LOC clouit enist -. Z-transform for n(n) = kx(n), x71 down't exist. for & <1, The fot converges, so both z-transform & ROC musts.  $Y(z) = \left(\frac{-z}{z-x^{-1}} + \frac{z}{z-x}\right)$ - kz K-R-1 2-2-1 (2-0) h= 12/c/+1, R= 12/7/4) ROC: GAR : |x| < |2| = |x-1| ¥ 1x/c1. |x| 5/2/5/ <- 1).