X	Attornative and of finding
	-Alternative new of finding the inverse Z-transform.
	the inverse Z-Trunsform.
\bigcap	Inspection:
	Example [0,12
	$X(z) = 4z^{2} + 2 + 3z^{-1}$ for $0 < z < \infty$
	Find X[n]
	$hs: X(j) = \sum_{n=-\infty}^{\infty} \lambda t_n j_s^{-n}$
•	I I O I I I I I I I I I I I I I I I I I
	$\Rightarrow \chi_{[-2]} = 4 \qquad \chi_{[1]} = 3$
	X[0]-2
	& all other Xth] =0.
Ç	Inspection plus power sories.
	This period pros post of so.
	$X(3) = e^{s}$ for $ 3 < 1$
	Find X[n]
	Inso By Taylors expansion,
/	

$$e^{3} = f(3) = f(0) + \frac{f(1)}{16}(3-0)$$

$$+\frac{1}{2!}(8-0)^{2}$$

$$= \sum_{k=0}^{\infty} \frac{f(k)}{0!} \sqrt{3k}$$

Exercise Example 10,13.10,14

Or	ne of the very important properties of Z-transform:
	yth]=Xth] + hth]
	T(z) = X(z) - H(z)
	Lethe ROC of Contains the intersection of two ROG. (joint ROCs)
	intersection of two RDCs (inint DDCs)
	mer section of and read, () and read of