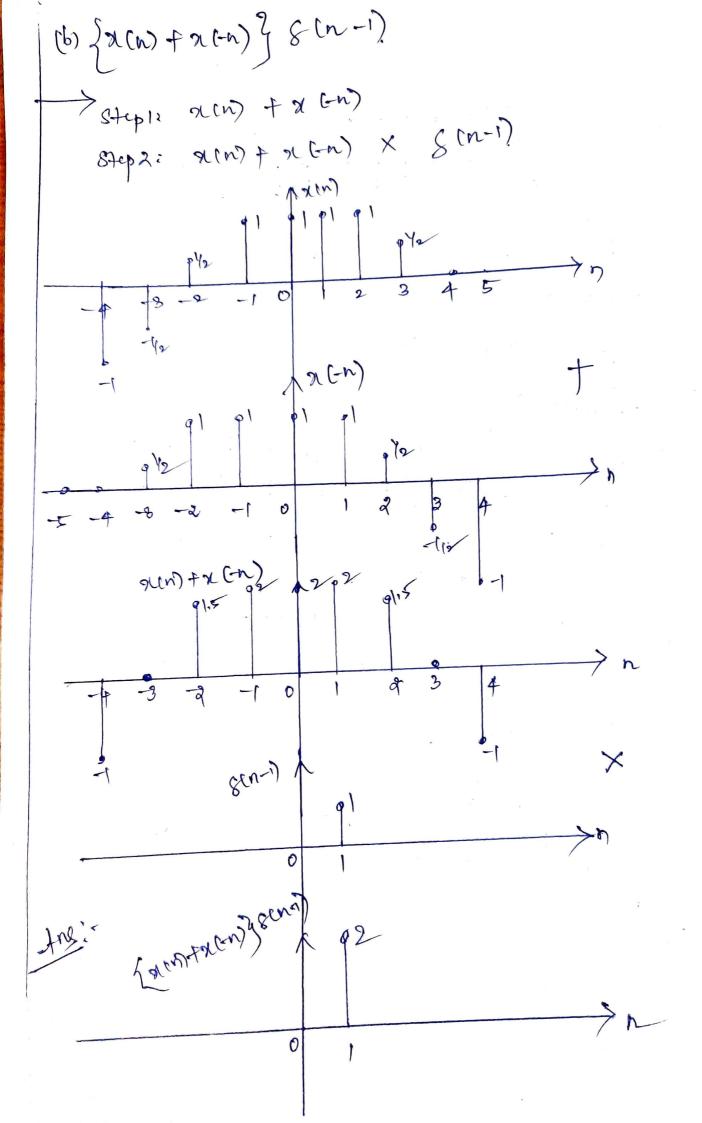


Sketch the signal- 2001) given below (a) x((n-1)2) (b) fx(n) + x (-n) } 8(n-1)  $(a) \chi((n-1)^2)$ Step 1: 21 (17-1) -> Right shift aun) by 1 units. Step 2: 21 ((17-1)2) -> square the time axis values.



Determine whether point Aperiodic.

$$x(n) = Sin \left(\frac{n\pi}{3}\right) \cos \left(\frac{n\pi}{3}\right)$$

$$x(n) = Sin \left(\frac{n\pi}{3}\right) \cos \left(\frac{n\pi}{3}\right)$$

$$x(n) = Sin \left(\frac{n\pi}{3}\right) + sin \left(\frac{n\pi}{3} - \frac{n\pi}{3}\right)$$

$$= Sin \left(\frac{n\pi}{3}\right) + sin \left(\frac{n\pi}{3} - \frac{n\pi}{3}\right)$$

$$= Sin \left(\frac{n\pi}{3}\right) + sin \left(\frac{n\pi}{3}\right)$$

$$= Sin \left(\frac{n\pi}{3}\right) + sin \left(\frac{n\pi}{3}\right)$$

$$x(n) = Sin \left(\frac{n\pi}{3}\right)$$

$$x(n)$$