1.	I a sequence (Xn)n of points in S so that lim Xn = sup S.
	S is a set meaning it contains that are not duplicales of each other And since it's bounded by lower and upper, I bound D70
	s.t: -D = x = D, tx =s.
	Thus, we can arganize each elements where $\forall n \in \mathbb{N}$, $\chi_n \in \chi_{n+1}$ / strictly increasing.
	Thus, we construct a set that is banded and monotonically increasing.
	The first of the first that the first the firs
	Therefore, there's a supremum through MCT. Thus, booking at det of lim and sup: VE70, JN70, Hn7N: VE70, JnENs.ts
	12n-ULE XnEREXn+E, IB-XnlEE
	ANERE ANTE, III MIEC
	The limit is the supremum asit can fit within E where n can be any value greater than N.
2.)	For a sequence (an), prove that its subsequences (arn), (arnt), and (asn), are each convergent.
	then (an) n is convergent
	both (drap) and (drap) a lould converge diff.
	both (Uzn)n and (Uznti)n lould converge diff. (Uzn)n consists of odd and even terms.
	Cat ships with the same and the
	Let's choose N* = max { N2n, N2n+1, N3n} for 2n, 2n+1, let's use K as index where: 2k > N*, 2k+17 N*, 3n7 N*, for k, n \in N;
	VE70 by det:
	a2x-1,16E, a2x4- L2/LE, a3n-13/LE
	if we have 3n as evens: \ \azr-ls\ \LE
	1 azr+6-l3/LE
	U2K+6p-13) LE
	if we have 3n as odds: lazert-Uzl LE for pEN
	\a2x+7-43\LE
	1 azr+1+6p-13/LE
	For even terms of 3n, they converge to Lz with E error which happens to converge to Li.
	Li= L3 by limit uniqueress
	For odd terms of 3n, they converge to L3 with E error which also happens to L2. L2-13 by limit uniqueness.
	Then L=L=Lz, therefore with L=Lz, (Un)n converges to L. (L=L=Lz=Lz)

