

<u>Lemma</u>: Convergent sequences are Cauchy sequences <u>Lemma</u>: Cauchy sequences are bounded.

MAJOR THEOREM #4

Thm: A sequence is convergent if it is Cauchy.

there you must know what the limit is and show elts of sequence get close to it.

that elts of sequence "burch up". (Don't need to know what they are burching up around.)

Types of Seguences?

	MONOTONE	NOT	MOPOTONE
BOUNDED	CAUCHY SEQUENCE CONVERGENT SE		
UNBOUNDED	Sn=n3 DIVERGE TO + & OR		-1) ⁿ n = 4 n n = 5 n n = 5