1) has an = co is losically equivalent to: for every M>0, there exsists on NEN SO that if h ? N then: an > M The reciptical must hold: $\frac{1}{a_h} < \frac{1}{M}$ $\frac{1}{a_h} - 0 = \frac{1}{a_h} < \frac{1}{M}$ 2> Since an is positive: | an - 0 = an - 0 $\left|\frac{1}{an}-0\right|=\frac{1}{an}-0=\frac{1}{an}<\frac{1}{m}$ =7 27 If we choose E = m, E will have the same pance as M that & D.O 1 -01 = - (E こう => This ments that .V = < an 2> Which will be tone if: ELON 27