

lin 4/3 = 0

Thus it converses

8) Does Si(-1) Ji3-7 Conv. or div. ?

 $\lim_{1\to\infty}\frac{1}{1^{3}-7}=\lim_{1\to\infty}\frac{1}{1^{3}}\frac{1}{1-7/2}=\frac{0}{1-0}=0$ 

Thus it (converses).

(4) Does  $(-\frac{3}{5})^m$  converse or diverse? = 25 (-1) ~ (3/5) ~ = 2 positive & decreasing lin (3) = 0 Thus it (converges ). (10) Poes Et (-5/3) (onverse or diverse? - 57 (-1) (5/3)
Cont use AST = 27(1)-5/3) E Geometric Series 1 > 1 so diverses

1) Poes Sid-1/2 I Converse or diverse?

Josifine & decreasing

1:n 1 = 0 Thus it converges.