$\frac{8}{5} \frac{3n^2+n}{3\sqrt{n^2+1}} \qquad \frac{8}{5} \frac{4^n+5}{7^n-8}$

Aldernating Series
an alternating series is a series
whose terms are alternating positive and
negative. Si Cur Si cos (not) Nei mei m
Alternating Series Test
Consider & C-1)" bn, bn70, satisfying
17) $b_n \ge b_{n+1}$ (monotonic decreasing) 17) $lim b_n = 0$ 17) $b_n \ge b_n$
then S. (-1) ⁿ⁻¹ bn converges

\$ 6-10" = (-1)\$ GON		
by=1/n bn is decr	easing and	him bye 0
$\sum_{n=1}^{\infty} \frac{C-10^{n+1}}{n}$ converges	by AST	
i. Ecti ⁿ converges		
Determine if the foll	owing come	eroe.
$ \frac{g}{g} \frac{GD^{n} 4n}{5n+6} $	S (-1) md n=1	h cro
121 Sn+ 6	n=1	
		······································

Alternating Series Estimate
It the alternating series converges,
then the remainder IRn1=1sn-sn:15bns
Find the sum of $\sum_{n=0}^{\infty} \frac{C-1}{n!}$ correct to 3
decimal places, do not simplify.