denominator

Since It was diverses by p-sines, the bigger

2 4 2 108-1 also (diverses)

$$\frac{e^{j}}{e^{2j+1}} \leq \frac{e^{j}}{e^{2j+0}} = \left(\frac{e}{e^{2}}\right)^{j} = \left(\frac{1}{e}\right)^{j}$$
Smaller
Jonovinh

Since  $S(1)(\frac{1}{\epsilon})^{i}$  conveges as a geometric series,
the smaller  $S(\frac{1}{\epsilon})^{i+1}$  also [converges].

5) Does of I'm Converge or diverge? (Direct Comp.)
Inm > 1
bigger denominator
Since the Herminic Series I'm diverses, the bigger
Zinn also (diverges).
(6) Does $\frac{5}{2n+3}$ Converge or diverge? (Direct Comp.)
( 5 < 5 = 5/2 doesn't work inequality is backwards)
$\frac{5}{2n+3} = \frac{5}{2n+3n} = \frac{1}{5n} = \frac{1}{5n}$
bigs. Denominatur
Since the Harmonic Series \$1 in diverses, the Signer
5 5 also (diverges).

Poes St JATT converge or diverge? (Limit Comp.)
Similar to Silvino = Sitan which converges by p-Series.
$\lim_{\Lambda \to \infty} \frac{\int_{\Lambda}^{2}}{\int_{\Lambda}^{2}} = \lim_{\Lambda \to \infty} \frac{\int_{\Lambda}^{2}}{\int_{\Lambda}^{2}} = \lim_{\Lambda}^{2}} = \lim_{\Lambda \to \infty} \frac{\int_{\Lambda}^{2}}{\int_{\Lambda}^{2}} = \lim_{\Lambda}^{2}} = \lim_{\Lambda}^{2} = \lim_{\Lambda}^{2}} = \lim_{\Lambda}^{2} = \lim_{\Lambda}^{2}} = \lim_{\Lambda}^{2} = \lim_{\Lambda}^{2} = \lim_{\Lambda}^{2}} = \lim_{\Lambda}^{2} = \lim_{\Lambda}^{2} = \lim_{\Lambda}^{2} = \lim_{\Lambda}^{2} = \lim_{\Lambda}^{2}} = \lim_{\Lambda}^{2} $
$=\frac{1}{\sqrt{1+0}}=1$
Since the limit conveyes, the series Sivary
also [converges].
8) Poes & 4 converse or direge? (Linit comp)
Try comparing with diverent Harmonic Series \$\frac{21}{1-1}.
$\lim_{n\to\infty} \frac{4}{10.8-1} = \lim_{n\to\infty} \frac{4n}{10.8-1} = \lim_{n\to\infty} \frac{4n^{0.2}}{1-\frac{1}{10.8}} \text{ diveyes to } \infty$
Since the limit diserges to infinity, the suries of 1/10-8-1
also direses.

Att. Subm Ar 81 Similar to \$\frac{1}{0.8}, a divergent p-Series. 1'm 40.8 = 1im 40.8 1900 = 1-0.8 = 4 > 0 Since the limit is greater than O, the series

51 4 also direges.