$$\sum_{n=2}^{\infty} n^{-1} \sqrt{\ln n}$$

$$\lim_{n \to \infty} \sqrt{\ln n}$$

Orbet: plug escognition

$$\sum_{K=0}^{\infty} \left(-1\right)^{K-1} \frac{\left(X+6\right)^{K}}{3^{K}\left(K+1\right)}$$

$$|m| \frac{|u_{K+1}(x)|}{|u_{K}(x)|} = |m| \frac{(x+6)^{K+1} \cdot 3^{K}(K+1)}{3^{K+1} \cdot (K+2) \cdot (x+6)^{K}} =$$

= /m
$$\frac{(X+6)(X+6)^{k}}{3\cdot 3^{k}} \cdot \frac{3^{k}(K+1)}{(X+6)^{k}} = \frac{(X+6)}{3} / m \frac{K+1}{K+2} = \frac{(X+6)}{3}$$

$$\sum_{K=0}^{c_0} \frac{(-1)^{K-1} \cdot (-3)^K}{3^K (K+1)}$$

1) Kamgota noculayougut with paga no avecutothota humine willbure nyegogyuzero
$$(-1,-\frac{1}{2},-\frac{1}{3}...)$$

2) Tregul Grunton
$$\mathcal{R}$$
 0

$$l_{1}m = \frac{(3)^{k}}{3^{k} \cdot k + 3^{k}} = 0$$
 $l_{2}m = 0$
 $l_{3}m = 0$

$$\sum_{K=0}^{\infty} \frac{(-1)^{K-1} \cdot 3^{K}}{3^{K} (K+1)}$$

1) Kanegrett noalegy rouget Yell paga no acconstruct between the medocytyses
$$(1, \frac{1}{2}, \frac{1}{3})$$

2) rylgh commutate KO $\lim_{K \to \infty} \frac{-3^{K}}{3^{K} \cdot K + 3^{K}} = 0$ Leitonux) Orber: -3 $f(x) = \overline{\chi^2 + 3x + 2}$ DPay concerne b jung Teuropee $\frac{1}{6} + \frac{5(x+y)}{36} + \frac{19(x+y)^2}{216} + \frac{65(x+y)^3}{1296} + \frac{24(x+y)^4}{7776} + \frac{665(x+y)^5}{46656} + \frac{1}{1296}$ Description remarks a company of the state $\frac{1}{1}$ $\frac{2}{6}$ $\frac{-2}{5}$ $\frac{-1}{2}$ Mu: X=-6 Cuegobate 1640 peg paccogutal yu x=-6/=>-6-vora puccog 3) 170 Muzhary leuthuya mu x = -2: Anamoure & regressy - 2 rouxa parsog Orbet: (-6; -2)

$$e^{x} = 1 + \frac{x}{1!} + \frac{x^{2}}{2!} + \frac{x^{3}}{3!} + \frac{x^{4}}{4!} + \dots$$

$$x = \frac{1}{2} = 0.5$$

$$\frac{(0,5)}{1!} = 0,5$$

$$\frac{(0,5)^2}{21} = 0,125$$

$$\frac{(0.5)^3}{31} = 0,0208$$

Coomb:

$$\int e' = 1 + \frac{(\frac{1}{2})^4}{1!} + \frac{(\frac{1}{2})^2}{2!} + \frac{(\frac{1}{2})^3}{3!} + \frac{(\frac{1}{2})^4}{4!} + \frac{(\frac{1}{2})^5}{5!} \approx 1,6487$$