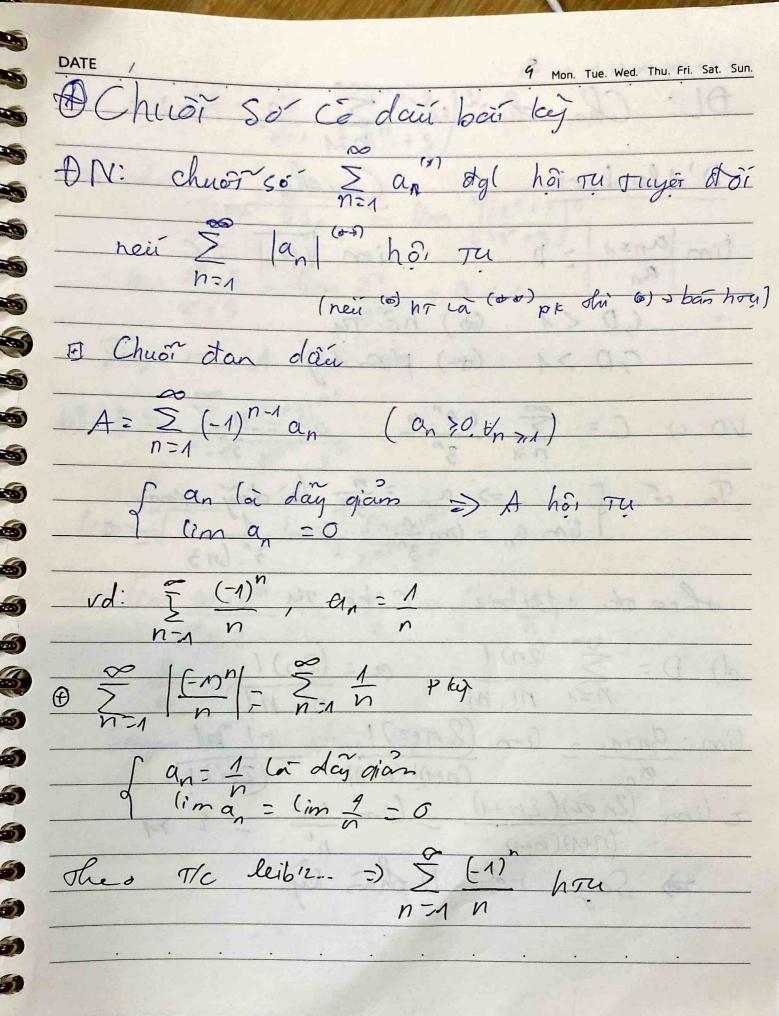
Mon. The. Wed. Thu. Fri. Sat. Sun. 1 Gicu Tich

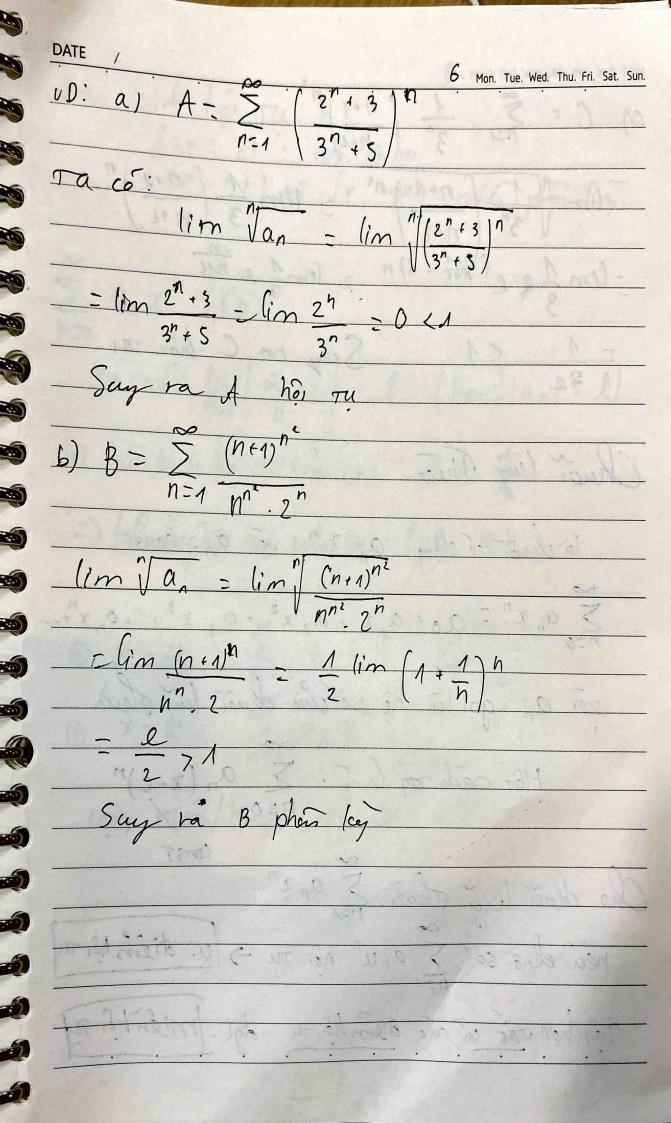
Id: A: $\sum_{h=2}^{\infty} \frac{1}{n \ln n}$ + $\times \text{ for } f(x) = \frac{1}{\text{place}}, \quad x \in [2; +\infty]$ f'(x) = lnx 1/ (0 Vne[2;+00) => f(x) le ham giam, không am, lier ru rên [2, +00] $\sqrt{\frac{1}{2}} = \int_{0}^{1} \frac{dx}{x \ln x} \int_{0}^{1} \frac{dx}{x} \int_{0}^{1} \frac{dx}{x} \int_{0}^{1} \frac{dx}{x} \int_{0}^{1} \frac{dx}{$ $\frac{1}{T} = \int_{0}^{+\infty} \frac{d\tau}{T} = \ln \tau = +\infty$ do to A phan lay. vd: B = \frac{1}{n^2 lnn} 12 p 3 = 18 $x \in \int (x) = \frac{1}{x' \ln x}, \quad x \in [2, +\infty)$ $f'(n) = \frac{2 \ln x + x}{x^4 \ln^2 n} - \frac{2 \ln x + y}{x^3 \ln^2 x} = \frac{0}{x^5 \ln^2 x}$ >) f(x) (a ham le am, gian, lue ven (2; +00)

Mon. Tue. Wed. Thu. Fri. Sat. Sun. 2 Tion chuain ville 2 csi durag & on, & bn h Tu bli 19/51

pley Ichi 19/7 ren B plan ky



Mon. Tue. Wed. Thu. Fri. Sat. Sun. 5 DL: Cho duà so Z an (*) Couchy D'Alembers lim Van = C (im ant) = p (,D < 1: (b) hôi Tu (,D > 1 (b) phân kej $VD c) C = \frac{\infty}{n = 1} \frac{(-1)^n \cdot n}{3^n}, \quad \alpha_n = \frac{n}{3^n}$ To co $\int - \cdot \cdot \cdot =$ $a_n = \frac{n}{3^n}$ (a) day opan $\int \frac{1}{3^n} \cdot \frac{1}{3^n}$ shed of Leibniz, Che, Tu d) $D = \sum_{n=1}^{\infty} \frac{(2n)!}{n! \cdot n!} \frac{a = (2n)!}{n! \cdot n!}$ $\lim_{n \to \infty} \frac{a_{n+1}}{n!} = \lim_{n \to \infty} \frac{(2n+2)!}{n! \cdot n!} \frac{n!}{n!}$ a_n (n+1)! (n+1)! (2n)! $= \lim_{n \to \infty} (2n+1)! (n+1)! (2n)!$ (n+1)(n+1)! (n+1)! (n+1)! (2n)! (n+1)(n+1)! (n+1)! (2n)! (n+1)(n+1)! (n+1)! (2n)! (n+1)! (n+1)! (n+1)! (2n)! (n+1)! (n+1)! (n+1)! (2n)!



Mon. Tue. Wed. Thu. Fri. Sat. Sun. 2 C) $C = \sum_{n=1}^{\infty} \frac{1}{3^n} \left(\frac{n+1}{n+1} \right)^n$ $\lim_{n \to \infty} \frac{1}{3^n} \left(\frac{n+1}{n+2} \right)^{n} \gtrsim \lim_{n \to \infty} \frac{1}{3} \left(\frac{n+1}{n+2} \right)^n$: 15m 1 e n+1 - (im 1 2 e (noc - 1) n = 1 (1 Say ra Chô? TH Chero's ley Thera là cheor có dang an 20 n voi an : const $\sum_{n=0}^{\infty} a_n x^n = \alpha_0 + \alpha_1 x + \alpha_2 x^2 + \alpha_3 x^3 + \dots + \alpha_n x^n + \dots$ von an goi là hè so circi chuối lay shưa Môr cách rờng Quối : \(\sigma_n (x-c)^n \) Cho chaoi ley thua 5 an 2" ren chusi so > anu hoi Tu -> lui diem hoi Tu Tap hop tar ce cere d'en hoi ru det : mién hoi ru Mon. Tue. Wed. Thu. Fri. Sat. Sun. 9 Vd_{-01}) $\sum_{n=1}^{\infty} \frac{n!}{\alpha^{n}!} \propto n$ ($\alpha > 1$), $\alpha_n = \frac{n!}{\alpha^{n}!}$ $\left|\frac{(in|\alpha_{n+1})}{\alpha_n}\right| = \frac{(inn)!}{\alpha_n^{(n+1)!}} = \frac{\alpha^n}{n!}$ $=\lim_{n\to 1}\frac{n+1}{a^{2n+1}}=\lim_{n\to 1}\frac{1}{2a^{2n+1}\ln a}=0$ => bán (cih ht cua (d): R = +00 => mien ht ma (d): (-00; +00) = 1R b) $\geq n^n (\infty), \alpha_n = n^n$ Cim Tant zemn = +2 => bkh = un (0): R =0 =) dnor (o) pk tx 20 $d = \frac{1}{n} (d), \quad d_n = \frac{1}{n}$ $\left|\frac{an}{a}\right| = \left|\frac{an}{n+1}\right| = 1$ 7) mien hô ru f (0): (-1; 1) + 7(=-1: \$ (-1) ho the TE (eibriz + 7(=1: \(\frac{1}{2} \) : \(\frac{1}{2} \) Vay mier hor f (4) (ā (-1)1)

