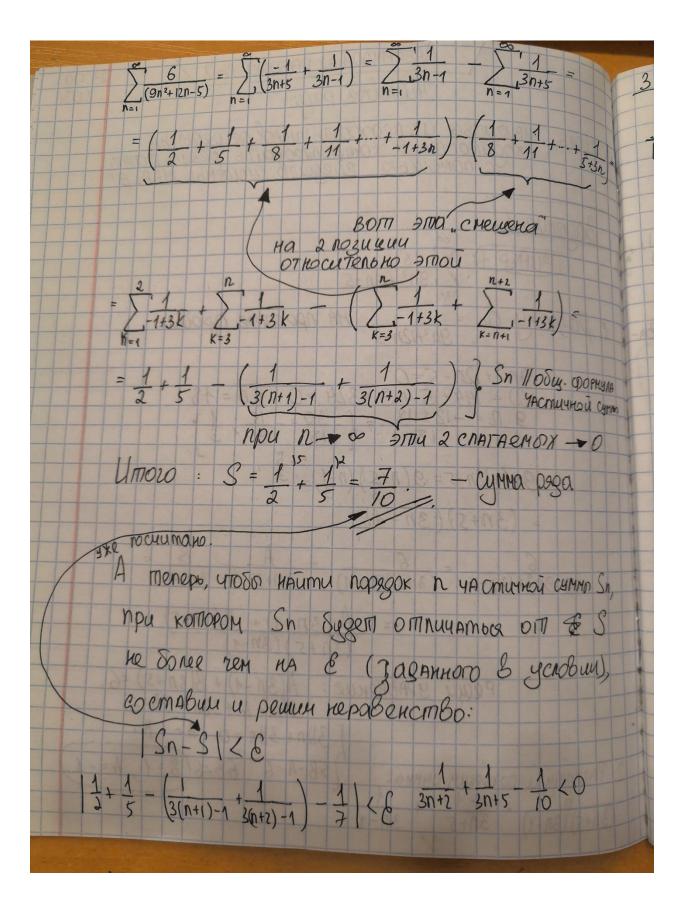
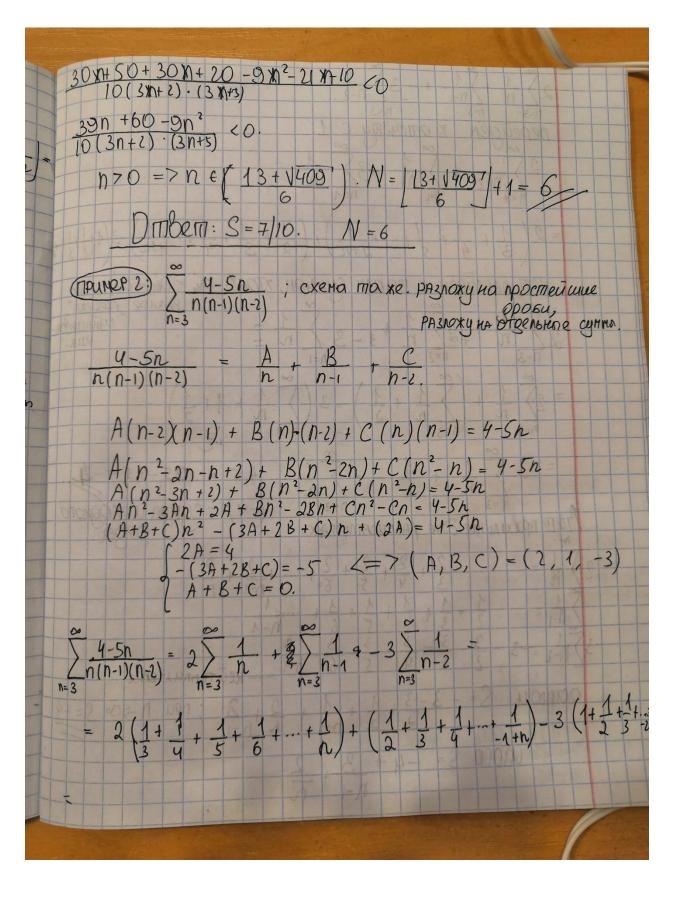
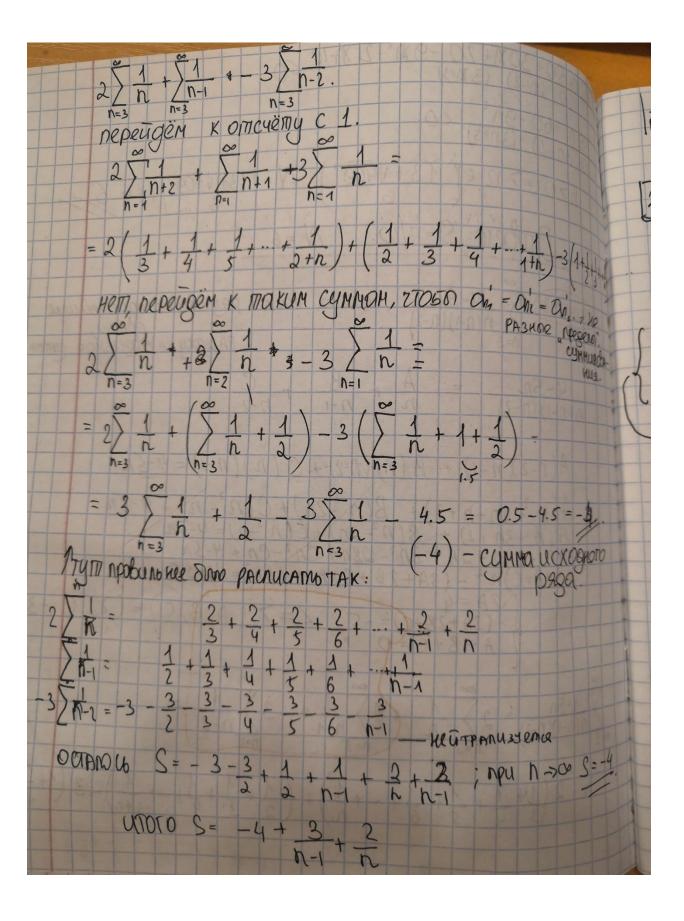
Слуцкий Никита, гр. 053506. ЛР №2. Полные решения.

| MASOPAMORIAS PASOMO No 2 23.09. |
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| "Числовяе ряды" Цель: "НАУГИТЬСЯ ИССЛЕДОВАНТЬ ЧИСЛОВЫЕ РЯДЫ НА сходимость и контролированть резульнаты с помощью средств системы МАРГЕ" |
| 3000000000000000000000000000000000000 |
| 1. $\sqrt{1.0300} \text{ Mpc} = \frac{6}{9n^2+12n-5}$ HA npocrtore groots: |
| $9n^{2}+12n-5=0$ $D = 144+5.4.9 = 324>0. $ |
| =(3n+5)(3n-1) |
| $\frac{6}{9 \cdot 9n^2 + 12 \cdot n - 5} = \frac{6}{(3ms)(3n-1)} = \frac{A}{3n+5} + \frac{B}{3n-1}$ $= \frac{A}{(3n-1)} + \frac{B}{(3n+5)}$ $= \frac{A}{(3n+5)(3n-1)}$ |
| Peury YPABRORUE: $A(3n-1) + B(3n+5) = 6$. 3An - A + 3Bn + 5B = 6. 3An + 3Bn = 0 $A = -B$. 2. PACNYMY U COKPAMY CYMMO: $2B - A = 6$ $2B = 6$ $2B = 1$, $A = -1$. |
| 2. PACNUMY α corpany cymmo: $(3n+5)(3n-1) = 3n+5 + 3n-1$ |
| (21175) (511-1) 3(1)+3 3(1-1) |







3+2/(0.1 $\frac{30000}{3000}$ ЭПО знакочередующий ряд дида $\sum_{n=1}^{\infty} (-1)^n a_n$, где $a_n > 0 + n$, τ . к. $a_n = 1$ $a_n = 1$ $\left\{ \left\{ Q_{n} \right\} = \left\{ \frac{1}{3} \right\} = \left\{ \frac{1}{3} \right\} = \left\{ \frac{1}{27} \right\} = \left\{ \frac{1}{27} \right\} = \left\{ \frac{1}{3} \right\} = \left\{ \frac{1}{3$ Liman =0 $\sum_{n=1}^{\infty} (-1)^{n-1} a_n exoButtog.$ COCTIOBNO PAG UZ ASCONDITIKOX BENUTUK PAGA. Пеперь найду сунну с точностью 2 (точное никимальный порядох этой частичн JO neusnaxy NeusHuya: Irn 1≤ anti. $| \int_{n} | \leq O |_{n+1} = \frac{1}{3n^{2}}, \quad \text{sge } n = n+1.$ $| \int_{n} | \leq O |_{n+1} = \frac{1}{3(n+1)^{2}}, \quad \leq \lambda = 0.01 = \frac{1}{100}, \quad \frac{100 \leq 3(n+1)^{2}}{3n^{2} + 6n \geq 100}$ $| \int_{n} | \leq O |_{n+1} = \frac{1}{3(n+1)^{2}}, \quad \int_{n+1} | \frac{1}{3(n+1)^{2}} \leq \frac{1}{100}$ $| \int_{n} | \leq O |_{n+1} = \frac{1}{3(n+1)^{2}}, \quad \int_{n+1} | \frac{1}{3(n+1)^{2}} \leq \frac{1}{100}$ $| \int_{n} | \leq O |_{n+1} = \frac{1}{3(n+1)^{2}}, \quad \int_{n+1} | \frac{1}{3(n+1)^{2}} \leq \frac{1}{100}$ $| \int_{n} | \leq O |_{n+1} = \frac{1}{3(n+1)^{2}}, \quad \int_{n+1} | \frac{1}{3(n+1)^{2}} \leq \frac{1}{100}$ $| \int_{n} | \leq O |_{n+1} = \frac{1}{3(n+1)^{2}}, \quad \int_{n+1} | \frac{1}{3(n+1)^{2}} \leq \frac{1}{100}$ $| \int_{n} | \leq O |_{n+1} = \frac{1}{3(n+1)^{2}}, \quad \int_{n+1} | \frac{1}{3(n+1)^{2}} \leq \frac{1}{100}$ $| \int_{n} | \leq O |_{n+1} = \frac{1}{3(n+1)^{2}}, \quad \int_{n+1} | \frac{1}{3(n+1)^{2}} \leq \frac{1}{100}$ $| \int_{n} | \leq O |_{n+1} = \frac{1}{3(n+1)^{2}}, \quad \int_{n+1} | \frac{1}{3(n+1)^{2}} \leq \frac{1}{100}$ $| \int_{n} | \leq O |_{n+1} = \frac{1}{3(n+1)^{2}}, \quad \int_{n+1} | \frac{1}{3(n+1)^{2}} \leq \frac{1}{100}$ $| \int_{n} | \leq O |_{n+1} = \frac{1}{3(n+1)^{2}}, \quad \int_{n+1} | \frac{1}{3(n+1)^{2}} \leq \frac{1}{100}$ $| \int_{n} | \leq O |_{n+1} = \frac{1}{3(n+1)^{2}}, \quad \int_{n+1} | \frac{1}{3(n+1)^{2}} \leq \frac{1}{100}$ $| \int_{n} | \leq O |_{n+1} = \frac{1}{3(n+1)^{2}}, \quad \int_{n+1} | \frac{1}{3(n+1)^{2}} \leq \frac{1}{100}$

