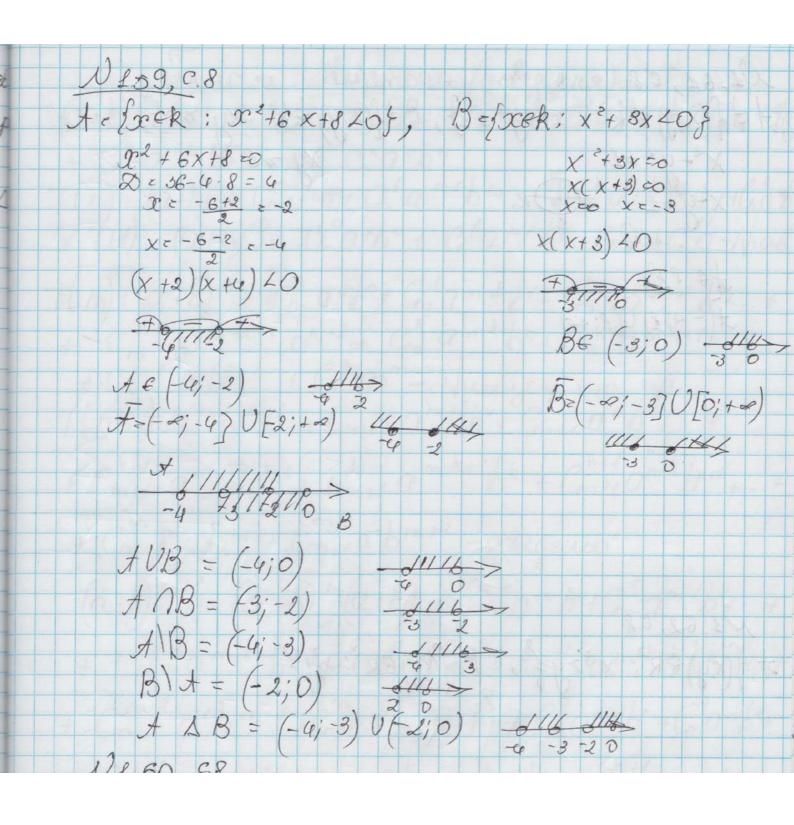
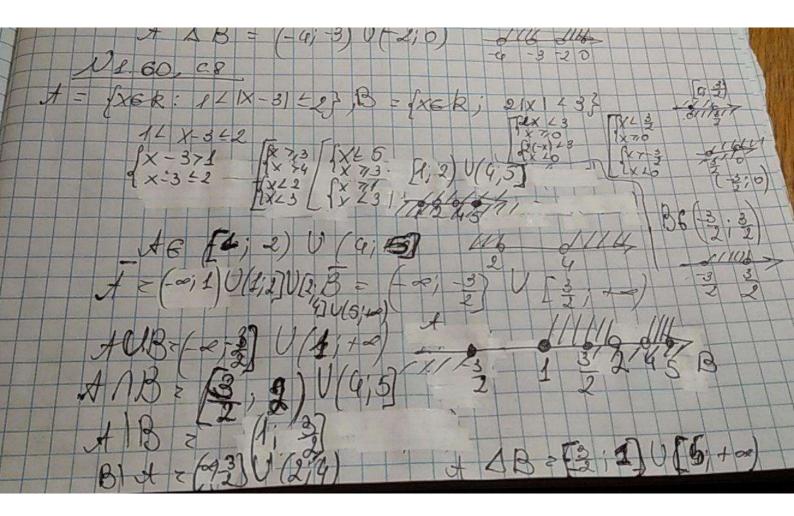
Danauna podoma (3.1) N20, C.5 \[ \langle 13 \tau \rangle 13 + 231 \langle + \langle 3 + 231 \langle + \langle 3 \tau \rangle \langle T(h): 13+231. + h3 - n2(n+1)2, new T(K+1): 131 2 31... + k31(K+1)3 (K+1)2 (K+1)+1)2 - paligeness (13+231..+ k3) + (x+1) 3. (x+1) 2 (x+1) +1) 2 (x+1) 2 (x+2) N1.10, C.5 2 (2i-1) = 1+31. + (2n-1) = n2 7(h): 1+3+..+ (2n-1)=h; new VT(2):21-1:12; 1-1- npab T(k): 1+3+..+ (2k-1) = k = prenegr, 40 pp. T(k+1): 1+3+.+(2(k+1)-2) = 2k+1)2-gologenio 2k+2-1= (k+1) = (2k+1)= k4) 2 2 1 = 1+2+...+ 2 nd c 2 2-1 T(n): 8+21.. + 2 h-3 = 2h-8, new 7 ((1): 21 + 21-8; 20=8; 1-8-hab. T(k): 1+2+... + 2 k+d = 2h-1-hnunger, upo np T( k+1) 1+2+...+ 2(k+1)-1 = 2k+1-1- gobegeno 1+2+...+ 2(k+1)-2 = 2k+1-1 = 2k+1-1 = 2k+1-1; 2 × 02 × 1 - 1 1

12 + U21. + U2 = 2 COS 15 2 n+3 T(n): 12+ 12+...+ 12 2 2005 10 1 NEW 7 T(1): 12 + 12 = 2 cos 5 = = 2 cos 5 = = 2 cos 5 J2 2 & 12; 12 - 126. VI T(k): 12 + 027. +02 = 2005 to - spunyck, yo np.  $7(k+1): \sqrt{2} + \sqrt{2} + \sqrt{2} = 2\cos\frac{\pi}{2} + \sqrt{2} + \sqrt{2} + \sqrt{2} = 2\cos\frac{\pi}{2} + \sqrt{2} + \sqrt{2} = 2\cos\frac{\pi}{2} + \sqrt{2} + \sqrt{2} = 2\cos\frac{\pi}{2} + \sqrt{2} + 2\cos\frac{\pi}{2} + 2\cos\frac$ TC VT(1): (13+5.1): 6, 00 6:6=8- npab. T(k): (k3+5k): 6, ken-nunger, 40 np. 7(k+1): ((k+1)3+5(k+1)): 6- goleguro k3+3k2+3k+1+5k+5= k3+5k+3k(k+1)+6=(k3+3k)-6: grigno z rinomegui 6 1 NS. 2, C.5 T(h): h2 (h4-8): 60, hew VT(1): 12 (14):60 - npab रे दर्श TK): K2(k4-8): 60, KEW-Munyck, uso np V T(k+1): (k+1)2 (k+1)4-2): 60 - plage (k+1)2 (k+2) k 32h+1= TI = (k+1)2(k2+2k-12) k(k+2) = k(k+1) (k+2) (k2+2k+2)(h4,-TO - zugeoz whotegue: 601 T(n): (5 n+3 + 113n+8) : PF, new V T(2): (51+3+ 113+11): 17, 50 17.17 21 - nhab. T(k): (5k+3+ 113k+11): 17, ke N-npunyck, yo np. T(k+1): (5(k+1) 3 + 11 3k+3+1) 17 - gobegens

5 5k. 54 + 1/3k. 1/4 - grigeo 3 rinomezie: 17 A Ng. 4, C.5 7 2n - 4 2n Ha 33 T(n): (72n -42n): 33, new VT(1): (72-42): 33, ob 33:33=1- hhab T(k): (72k-42k): 33, kew-npunyck, 40 np. T(k+1): (4 2k+2) 4 2(k+2): 33-golegenso 32k+2-42k+2 zrigno 3 rinorezu: 33 s N & 19, C, 5  $\sum_{i=1}^{n} \frac{1}{i^2} \leq 2 - \frac{p}{n} \left( n = 1 \right)$ V 7(2): 2- = (171) = 2; 2-8(17, 1) = 2; 17,1 = 1-mab T(k): 2- & (k > e) - huenyer, 40 np. T(K+P): 2- 4 (K+178) Jobgenio 2k+2-1 (k+1) (k+NS. 22, C.5 5 1 72 (Vn +1 -2) (h>1) V T(1): 2 (11-1-1) (171) -1;2(2-1)(171)-1-nia T(k): 2(K+1'-1)(K71) - npunyck, ryo hp. 32×++1 T(k+1): 2(/k+1)+1'-2) (k+1 >2) - gobegenies 2)(44) 2 (/K+2 - 2) (K+971) = 60 A (2 5 K+2 -2) (K+1) 7 1 - gright 3 rinotegue D N1.23, C.5 6. nn+1 7 (n+1) h (h73) p. T(n): hn+1 7 (n+1) n (h7/3)

T(3) 334 > (34) 3 (3>3); 34 > 43 (3>3) - 1/4 The : km > (h = ) x (k = 3), k = 3 + munyor, wo w T(k1): KH 41011 - (K+1)+1) +1/ K+1/3)- pologenes \* 11 \* 13 > (k+3) \* 1 k+1) > 3 - zignoz inotegus danaune patina (3.2) N1 32, C\$ (x) (34) : X+4 <3 (3) 3)(/3): X+4 +30 NR.34, C. 7 (3) x+y=3 8 Yx) (H4) = X +y +3 (8) (1) (Ty ro): X+y=0 (X) (Yx ro) (Yy ro): X+y to ( NL 38 C7 Mx 70) (3,40) : x+4 =0 8 (3x 70) (4x 40): Xty +0 (1) W1.90, C.4 (Yx) (Yy): X2y => 232y3 ⊗ (3x) (3y): X2y 1 ×3≥y3 © N1.42, C.8 0 OSX'NIEX 1 X + 1x : (xE) N244, C8 (tx) x2 x x /=> x r2 1 x x 20 10 OXX V EXX X XX XX (XE 0





(a+b) n = E Ch ank bk - Chanbo + Chand bl + Chang 184 + Ch anh bio + ... + Chaoba T(n): (a+b) = (n a n64 Cn a n-164... + Cn an-k bk+...+ Chab V (1): (a+b) = Ga+bo+ Ga+b1= Ga+Cb-mal. T(m): (a+b) = Cm ambot Cm am & b1+ Cm + am 2 62... +

+ Cm am k + Cm am k bx + Cm am k+1... +

+ Cm ab - hrunger, up hp.

T(m+1): (a+b) m+1 = Cm+1 am+1 bot Cm+1 ambit... + + Cm+1 am-k12 k-1 + Cm+1 am-k+16 k + Cm+1 amk but + ... + + Cm+1 a'om + Cm+100 m+1 - gobegenes (a+b) m+1 = (a+b) m(a+b) - (Cm ambo+Con am+1b1+...+ + Cm amk+1 k-1 + Cm amk ok + Cm amk + bk+1. + + Cm at bon- & + Cmarbon (a+b) = Cm am+16° + Cm am6+ + Cm amk+2 bk-1 + Con amk+1 bk + Cm amk bky + + Cm a bind + Cm a bm + Cm a mb + Cm a m b + - + + Cro am-k+16x+Cm am-k 6x+1+Cm+10m-k-16x+14...+ + Cm a16m + Cma06m+1 = Cm am+1 + (m + Cm) am6++...+ + (Cm + Cm) am-k+1 bk + (Cm + Cm) am-kbk+1+...+ 

(a+b) m+1 - Cm+1 amt b+ Cm+1 amb + ... + Cm+1 am+1-h bk+

+ Cm+1 am+ bk+1 + ... + Cm abm + Cm+1 bm+1 A