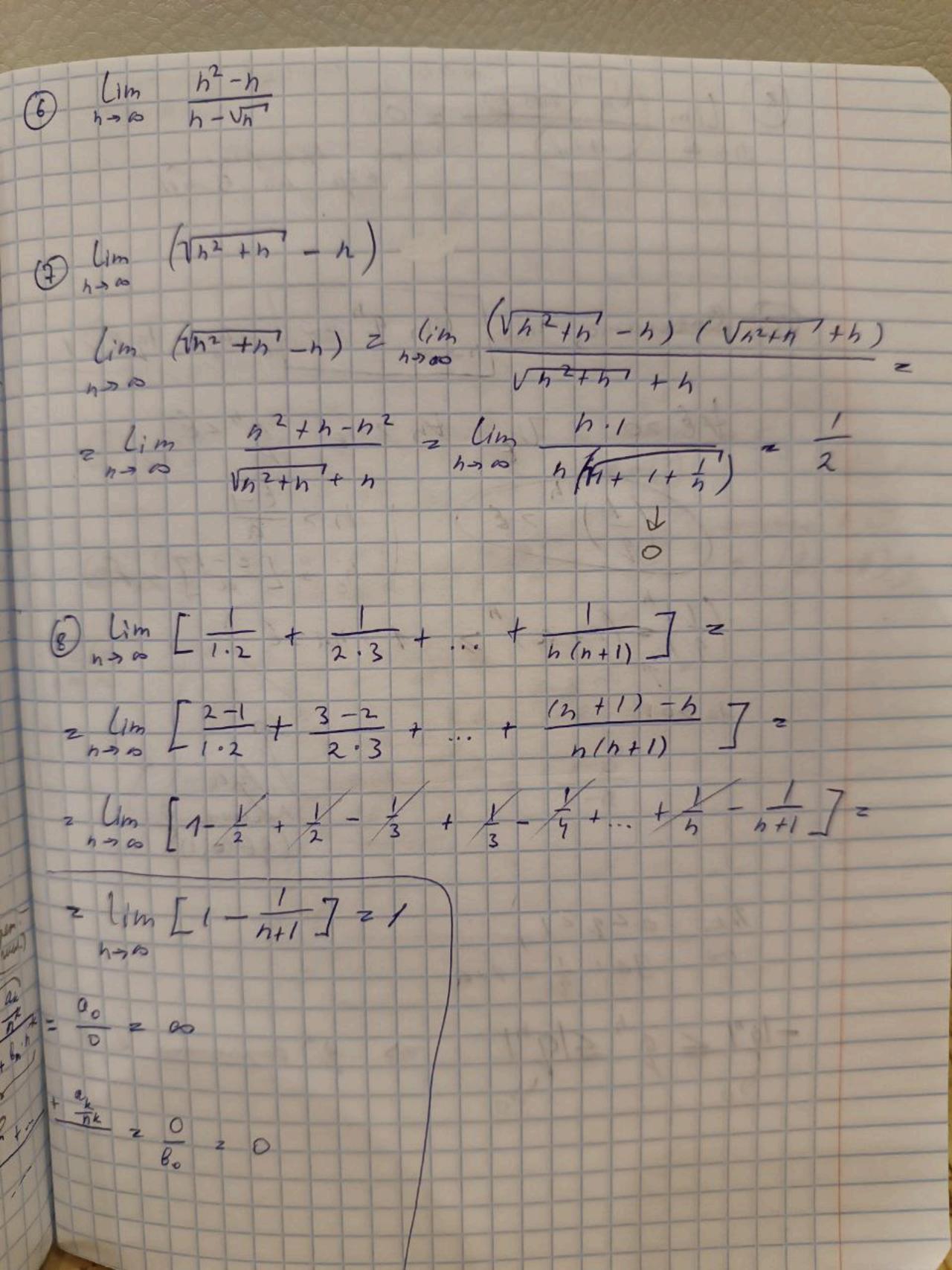
Ceneman 12. Tyregens Teopul h -> Xn at $R = R \cup \{\pm \infty\} \cup \{$ Oup: a & lim xh (2) 76 × >0 +m: 7h >m /xn -a/>6 4-E* a+E* Novegobanemomo rogume morga a montre morga a konsumo. Menegoberneus paragument muma le muma le pregen vegen ver

Ecopenia 1 lgumbenwoon megena kjeger, no on montono ogun. eau 2x, 3 croquemue => 2x, 3 orp.

8x, = (-1)" Teophuaz Teopena o men houngobannelbuvement Ryeme xn & Zn & yn Marunaemul c hensm. n) eau 1) Flim Xn, Flim yn 2) Um Nh = 4im gn = a Torga Flim Zh za Chotomber: 34m xn = a, 34m yn = 8 Though 7 (m (xn ± yn) = 2 ± 6 3 lim (21 50) - a6 3 lim 5 = 8, eam 670

Heoryegeneuwenn 1 0,000,000,00 Lecconerno Maure Recuegobarnementame (6Mn). 1) 5 M D. Oyp 2 5 MD 2) 5 mn. 5m 17 = 5mn 2x, 3- 5mn 4m x, 20 yn = \frac{1}{\tau_n}, \quad \ Paug 12 t: 46 >0 IN: 44 > N: Princepa

Lyn 3 - parsogumes Um Xh = 670, Dokazame, zmo {xn yn 3 - parnogumul nyeme Om pombuoro1 Flim Zh Z a Morga yn 2 th - exogumule, me Flim yn z 8 Um - 20 3) Dokazeme, rmo 0 2 \frac{1}{2^n} \frac{2}{n} z) no m. o gbyn ullu. - maune palmen al D. Hawmu Manegobamentonoement: pregents $\frac{1000h}{h^2+1} = \lim_{h \to \infty} \frac{1000}{h} = 0$ 4 lim (konger (5) Um aonk + a, nk-1+ ... + ax



(8) Um (Th (cos h) = 0

h-s a h+1) > kak proughegenie > kan proughegenne orp ma 5 mm (0) Dokazami, mo [lim 9" =0], rge 1911 ₩ 20 In th 7 ne 2° 26 $\frac{\binom{1}{2}}{n} = \frac{\mathcal{E} - 1}{a}$ $\frac{\binom{1}{2}}{n} = \frac{\mathcal{E} - 1}{a} = 1$ 1 + na > 6) (1) = (1+a)"> 7a >01 (q & (0;1)) Companional

Hepabouemleo Беризами: (1+a) " 7 1 + sa при Haromu rpegense: 5.34 menumer & D 1+B+B2+...+Bn; (1a121, 16121); 1 + a + a2 + ... + a3

(13) Dokajame, 2mo lim 20 21/, rge a >0 Ryems xh = "Va" - 1; horanen, mo Um x =0 1) Ryemo a > 1: Jn = 2/1 = 2 (xn +1) = a > 1 + h. Xn 0 5 1/h = a-1 => (Im xn = 0) タリック 400 NB

(14) Dokazamo, 2mo Бином Ивготона 1 (im : 55 = 1 0 5 2h = "Un' -1 7n 2? h(h-1) xn > h(h-1) x2 h= (xn+1) h = 1+hxn+ 2n = \frac{2}{h-1} Ez (Denny) Lucrobou hregeu you hos as an -> a / Myyeur Mam, ans Ruderemun FE >O Ing GN: WhEN: Mugour h 3 he 1 | an -a/ = E at E R=RUE+33