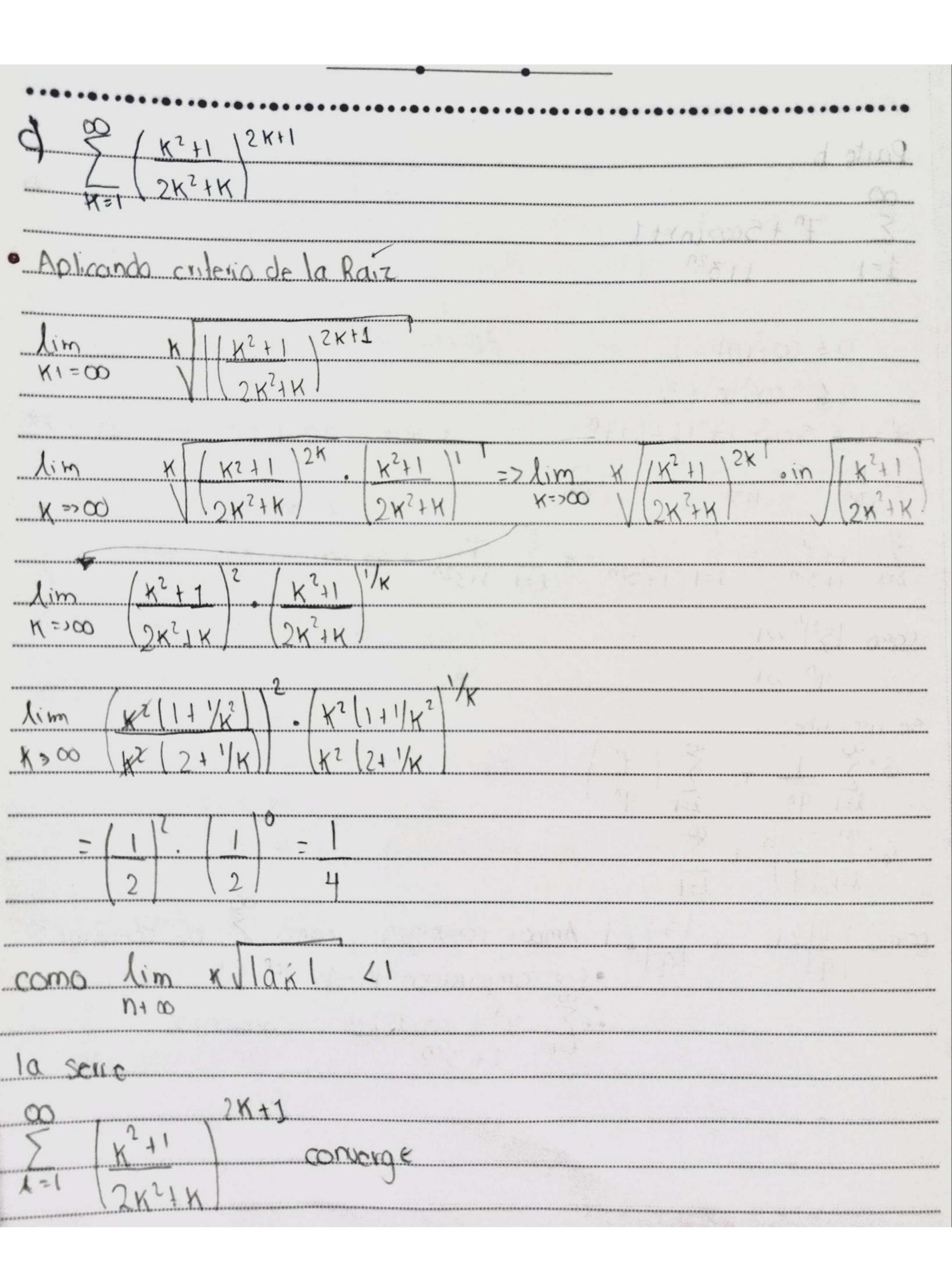


Parte b	
$\sum_{n=1}^{\infty} \frac{7^n + 5\cos^2(n)}{1}$	
J= 1 + 3° ··································	
0 { cos²(n) { 1	
79+1 < 5cos2n17+1 < 617n	
$\frac{7^{n}+1}{1+3^{n}} \leq \frac{5(05^{2}n+7^{n}+1)}{1+3^{n}} \leq \frac{6+7^{n}}{1+3^{2n}}$	
$\sum_{\lambda=1}^{\infty} \frac{617^{2}}{113^{2n}} = \sum_{\lambda=1}^{\infty} \frac{6}{1+3^{2n}} + \sum_{\lambda=1}^{\infty} \frac{7^{2}}{1+3^{2n}}$	
como (35), 221	and the second s
se recombe	
$6.\frac{5}{5}$ $\frac{1}{1-1}$ $\frac{5}{1-1}$ $\frac{7}{1-1}$ $\frac{7}{1-1}$ $\frac{7}{1-1}$ $\frac{7}{1-1}$	
3 - 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1	•••••••••••••••••••••••••••••••••••••••
como 1 1/21 y /7/21 Ambus convergen y como	E br comverge
Por comparación diverda . \(\sum_{11}^{n} \)	
11)	



15	(-1)	nonl		••••
7=1	4.:	t .10	. (3ntl)	in prince
				
Aplican	107 C	nteria.	del cocionte	***
lim	On+1	نىل - بار	$\alpha = \frac{1}{1-1} \cdot \frac{1}{1-1} \cdot \frac{1}{1-1}$	1 m + 10
$J \rightarrow \infty$	1 Oru	\ N =	=00 4.7.10 (3n+1) (3(n+1)+1)	****
********			1-11" · n1	***
************			4.7.10 (3n+1)	
		Lir	Δ	
		N = (00 (t.H. [-1]. [n+1]. pt.	
	***************************************	••••••	4.7.10 (3n+4)	
***************************************	***************************************		(-H) . NI	
			4.7.10 (3ntl)	****
***************************************		***************************************		•••
***************************************		- li	$m + 1 \cdot (n+1)$	***
***************************************	***************************************	N =	3n + 4	••••
		_ 人i	m n+1 - lim n(1+1/n) = 1+0 =	1
***************		ν -	-200 3014 $n-200$ $n(3+4/n)$ $3+0$	3
***************************************				***
(0m0)	lin	anti	3 1 1 10 serie 5 (-1)" 'n1	
	n 00	Qn	3 4.7.10(30	1+
****************		*************	Converge	
************	************	*********		