Thory honvergence - pro jake X rada honverguje
er: \sqrt{nx}
$\gamma = 1$
2=1 podib. Lubrium 2 11 21
$\lim_{m \to \infty} \frac{ (n+1) \cdot \chi^{n+1} }{n \times n} = \lim_{m \to \infty} \frac{ (n+1) \cdot \chi^{n} \cdot \chi^{1} }{n \times n} = \lim_{m \to \infty} \frac{n+1}{n} \cdot \chi $
lim I m
$m \rightarrow \infty$ $m \times 1$ $m \rightarrow \infty$ $m \times 1$
Inde posser and 1x1<1
$\chi \in (-1,1)$ + homergingi
$\chi = A$
1 = n(-1) - divergine In + neplanje podminenton vergine + divergine
n=1 $n=1$
De m(-1) → dwerginge ∑n → nearlainje podminkuhan vergince → disergaje n=1 lim n ≠ 0 Por to m+1
5 x = > rodil bril _ p. x +2 2 2 2 (2 a -1)
m=1 2 (2n-1) = lim 2 1 (2ln +1) 2 1 1 [lim gx+1 2n+1) 2 1 1
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
$\frac{2}{x}$ $\frac{2}$
hm 2 12 10 1 1 hm x (2n-1) - line =
$n + \infty$ $\left[\frac{1}{2} \cdot (2m+1) \right] \cdot (2m+1)$
2 hm = 2 /2 /- Ande from your
2700 (2nt1)
x = -2
$\sum_{n=0}^{\infty} \frac{2^{n}(2^{n+1})}{2^{n}(2^{n+1})} = \sum_{n=0}^{\infty} \frac{2^{n}(2^{n+1})$
m70 /n+1 n+0 m21 (2 n-1)

2 2+1 a+1	6 0 m +1
$\frac{\sum_{n=1}^{\infty} \frac{(-1)^{n+1}}{2^{n}(2n-1)}}{\sum_{n=1}^{\infty} \frac{(-1)^{n+1}}{2^{n}(2n-1)}}$	$\sum_{n \geq 1}^{\infty} \frac{2^{m+1}}{2^m (2^{m-1})}$
2 (-1) nt 2 (2n-1) 7 him - 1 (2n-1) 2 (2n-1) 2 (2n-1) 2 (2n-1)	=0 5 2 ml hil
$= \frac{1}{2} (-1) \frac{1}{2n(2n-1)} \frac{1}{n+2n} \frac{1}{(2n-1)}$	$\frac{1}{2} \frac{1}{2} \frac{1}{2} \frac{1}{1} \frac{1}$
linge. plessjær	$\int \frac{1}{2x-1} dx = [\ln 12x-1]$
honvergije	$\frac{2}{n} = 1$ $\frac{2}{2x-1}$ $\frac{2}{2x-1}$ $\frac{2}{2x-1}$ $\frac{2}{2x-1}$ $\frac{2}{2x-1}$ $\frac{2}{2x-1}$ $\frac{2}{2x-1}$
honverguje pro: XE<-2,2)	n+2 resonverguje
$\sum_{n=1}^{\infty} (x-6)^{n+1} \Rightarrow \text{ and it had} = \lim_{n \to \infty} (x-6)^{n+1}$	$\frac{(x-0)^{n+1}}{4^{m+1}} = \lim_{x \to 0} \frac{(x-0)^{n+2}}{4^{n+1}} = \lim_$
$\sum_{n=1}^{\infty} 4^n$	$\frac{(x-b)^n}{u^n}$
1-20 1(x-6) - 1-x-6 - 1x	-61
lim (x-6) = lim - 1:x-61 = 1:x n 700 4 n 700 4	4 1x-61 1
* * 3 6 a 6 a f a f a f f I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I	$ x-6 < 4 \rightarrow \times \in (2,10)$
$x=2$ $(-1)^{n+1}$ $(-1)^{n+1}$ $(-1)^{n+1}$	x=10 x=10 x=10
$\frac{1}{n}$	=> 4
nermorguse	2=1 T 2=7 resoner
	1 SQUARE =

	1	N
f(x,y) = 7	$y = (xy)^{\frac{1}{2}}$	
1	$\gamma \geq 0$ $\forall (x \leq 0, x \leq 0)$	X
(XZOAMZO)	V (x \leq 0 \ XD)	
D. Elxy)	$\in \mathbb{R}^2$: $\langle xy \geq 0 \ V \ xy \leq 0$ $\in \mathbb{R}^2$: $\langle x \geq 0 \ xy \geq 0 \rangle \ V \ \langle x \leq 0 \ xy \leq 0$	
V	2 ((0)3
Dy : 2[x,y]	$\leq \mathcal{R} \cdot (x \geq 0) \sqrt{x} \geq 0$	
1 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
a e f s s s s s s s s s s s s s s s s s s		

12

1 SQUARE =