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1	Now, France Ray Lapton NPM: 1408 (0210059 - A
	NOM: 1408 (0210059 - A
1	Slide: 60
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1	5 (x-1)"
	6 () ()
	$\lim_{x \to \infty} \frac{(x+1)^{n+1}}{(x+1)^2} = \frac{(x-1)(x+1)^2}{(x+1)^2}$
-	$\lim_{x \to \infty} \frac{(x-1)^2}{(x-1)(x+1)^2} = \frac{(x-1)(x+1)^2}{(x-1)(x+1)^2}$
-	$n - \log \left(n + 2 \right)^2 \qquad \left(x + 1 \right)^n \qquad \left(n + 2 \right)^2$
1	$(x-1)$ lim $\frac{n^2+2n+1}{n^2+2n+1} = \frac{n^2(1+\frac{2}{n}+\frac{1}{n^2})}{n^2+2n+1} = 1$
	(2-1)
	n-000 h2+anta h2 (1+ + + +2)
	\frac{1}{2}
-	@ \ (z-1) \ L1
	0 Lx L2-to uji x = 2
	uji x =0
	$0 \leq (1)^n + (\frac{1}{n^2})^n - b \text{ Konvergen}$
-	
-	
	- Yi banderg limit
	L= $\lim_{N\to 0} \frac{(1)^{\frac{N^2}{2}}}{(1)^{\frac{N^2}{2}}} = \frac{N^2}{(1)^{\frac{N^2}{2}}} = \frac{N^2}{(1)^{\frac{N^2}$
	n-D 00 (nH)2 (1)" n2+2n+2
	THE FUNE TO
	30 N
	D < (-1) -0 '11 D6#
	nen (ust)2
	(1) an _ 1 (n+2)2 = (n+2)2 > 1 -to Syarent terpenuhi
	$an + (n+1)^{2} (n+1)^{2}$
-	(11) Lim 1 - 1 = 0 -0 2 Syrrat terpenuhi malca nzo lanverger N-D00 (NH) ² 00 HK = [0,2]
	N-800 (NH)2 00 HK=[0,2]
2	po (nH () 2M
	(xtz) (im (n+2) Int)
7	n=0 (N+1)3 n-000 (N+2)3n+1 (X+2)
7	(x+2) lim n+1 = n(1+ 1/n) = 1
7	
5	B (x+2) C1
1	3
7	D(x+2+3)(x+2-3) LO +[-]+ -5 L x L1
1	1777) (2-2-3) 4 ()
	(x+5)(x-1) LO -5
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	$\sqrt{(-3)^{\frac{1}{11}}} = \sqrt{(-1)^{\frac{1}{11}}} = (-1)^$
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	anti nti
	D Lim 1 20
	· maka konvergen untuk x=-5
	> yi x=1
	<u> </u>
	$nio (nH)3^n (nH)$
	1 Upi boundary limit
	L= lim n 1 + b karena bn divergen dan L=1, maloa untub
	L= lim n 1 -> karrna bn divergen dan L=1, malou untub . n-> n+1
	tic = [-5,1]
	00 n n
3.	$\sum_{n=1}^{\infty} \frac{(-1)^n \chi^n}{n^{2n}}$
	N ₂ (11
	P= lim r h. 2 n
	h-000 (ny) 2nt 2n
	P= x lim n = x L1 -2 Lx L2
	21142 621
	1) Usi x = -2
	(-1) (-2) = (-1) (2) = 1 -b Deverogen untich 2 -2
	n_{21} n_{2n} n_{-2} n
	148
	·) Upi X=2 · Upi DGT
	$\sum_{n=1}^{\infty} \frac{(1)^n}{2^n} = \frac{n+1}{n} > 1 \rightarrow a_n \text{ monoton turun}$
	nio n2 ant n
	(n) lim 1 = 1 -0 -> maker konvergen untukk>2 n-200 N 00 H/C 2 (-2,2]
	n + 200 n 00 HC 2 (-2,2]

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· Menoari Inserval (x-1) 2moz 4n	
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n-bro q	
\$ (x-1)2 La 12 x2-2xH >-	
	4
-a Lx2241 L4 X= 2+ \(4-41	(1)(r)
x-2xt1 4 2	*
x2-2x-3 60 2.22 Va-20	. (2)
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	-1 (ax+2 L1
	-3 / × L -1
	A A
	·> yi x > -3
	3 (-1) (2) (-1/2 +1) , (-1) (-1/2) , (-1) (-1) , (1)
And the last of th	$n=1$ n^2 n^2 n^2
	n-t
	∑ 1 -b yji deret p=2, p>1, mala konvergen
	$\sum_{n=1}^{\infty} n^2$
-	
	» Uji kz - G
	~ (), (), () () (()), (-1), (-
	$\sum_{n=1}^{\infty} \frac{(-1)^{n} (2)^{n} (-\frac{1}{2} + 1)^{n}}{n^{2}} = \frac{(-1)^{n} (2^{n}) (\frac{1}{2})^{n}}{n^{2}} = \frac{(-1)^{n}}{n^{2}} - b \text{ y. Det}$
-	$n=1$ n^2 n^2 n^2
	(1) an = (nH) 3 >1, an monoton turn
	ann n²
	(11) (im 1 2 1 0 + 2 squart terpenuhi, muka \(\frac{5}{2}\) (-1) ban
	nel hz
	Hk=[-3/a,-/a]
	o , mil , in
6.	$\sum (-1) \qquad (\gamma-2)$
-	$n \ge 1$ $(n + 1)$
	· Uni Belany
-	$P = \lim_{x \to 2} \frac{(x-2)^{n+1}}{n+1}$ n+1 Py $ (x-2) < 1$
	$n \neq 0$ $(n+2)$ $(\chi-2)^n$ $-(\chi_{-2})$
	P= (x-2) (im (n+1) > 1
	now (N+2)
	·> Upi n = 1
	$\frac{2}{5} \left(-1\right)^{n+1} \left(-1\right)^{n} = \left(-1\right)^{n} \left(-1\right)^{n} \left(-1\right)^{n} = -1 \text{by } = \frac{2}{5} - 1 \text{by i beau.}$
	5 - 1 - 5 Oly 1804
Character Section (Albert And Section	L= $\lim_{n \to \infty} \frac{1}{n} = \lim_{n \to \infty} \frac{1}{n} = \lim$
	1= lim -1 th = h = 1 -0 yi hosil bandang limit
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1	2 hr + x > 3
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	(not) Chris
	(i) an = (n+2) > 1 = an monoton furum
	ant (nul)
	(1) Lim 1 20 + 2 Sychot terpenshi makan untuk n23 bonveryen HK= (1,3]
	TILE (1,8)
	0 n
1	of (n+2)." - Pumie davi deret (n+2)
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	· bri celan
	Pr lim (xxx) mi n!
	P2 (1m) (x+2) m ! (x+2) n
	P= (cx+2 1 1m 1 = 0
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	P=0 21, malca derest soluto bonvergen untuk cemus nilai n
	Hk = (-00,00) = R
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