		I was to the second of the sec
1	Nama : Prames Ray Lapitan	
5	NPM: 120810210059 -A	
	Slide: 76	
7		$\int f(x) = \cos x$
5	a. f(x) = cos x	$= 1 + 0 - \frac{\pi^2}{4} + 0 + \frac{\pi^4}{4}$
5	G(n) = Cos x - P P(0) =	$\frac{1}{2!} + \frac{\pi}{a!}$
5	F'(x) = - xin xc - = F'(0) =0	$= -x^2 + x^4$
5	="(x) =-(0-5) +P ="(0)=-1	$\frac{1}{2} - \frac{\chi}{\chi} + \frac{\chi}{\chi}$
5	FIN(x) = . Sin x - = = = = = = = = = = = = = = = = = =	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
7	tin (x) = cos x - + tin(0) = 1	
5	.).	$\frac{2}{n^2e}$ $(2n)$
5		
5	b-f(x) = (n(3+2x)	P(nc) z (n (3+2x)
	F(x) = In (3+2x) - + f(0) = In (9	= (n 3 + 2x - ax2 + 16x3-96.x)
5	F(x): 2 -> F(0) 2 3	3, 92% 273 81.4
=		
=		4
=	(3 psx) ²	9
=	F" (x) = 4 -> P41(v) z	U _b
=	(3220)3	27
\exists	P ¹ V(x):96 -> P ¹ V(x):	- 96
=	(3+271)	81
=	(SPFIV)	
\exists	c. f(n) = 1	
=	72H	1.5
=	P(xi)= 1 -0 P(x) = 1	F 111 (x) = -6 -6 (0) = -6
=	201	(x11) 9
\exists	P'(x) = -1 , -> P'(o) = -	P"(x) = 20 -P P"(0) = 24
\exists	(xx) ²	(xr)
\exists	F11(x) 2 2 +> P4(6) = 2	2
\exists	beh)3	XH
\exists	UKFLJ	2 (x3 x4.A
r	HT	z!-9C+28-10 + 20X
L	TIARA SHAKTI MAKMUR	οο
		$= \sum_{n \geq 0} (n)^n (x)^n$
		11-0

	2 2/ 2/ 2/ 2/ 2/ 3/
2. $\sigma. F(x) = e^{x}, a = 2$ $F(x)$): $e^{2} + e^{2}(x-2) + e^{2}(x-2)^{2} + e^{2}(x-2)^{3} + e^{2}(x-2)^{4}$
$F(x) = e^{2} - P F(z) = e^{2}$	11 2: \$1
E, (x) = 6x - b E, (5) = 6	= e (x-2) + e (x-2) + e (x-2) + e (x-2) + e (x-2)
F"(x) 2 ex -P F"(2) = e2	2 6 29
FM(x) = ex -> FM(2) = e2	$\frac{e^{x}(x-2)^{n}}{2}$
f'v(x) = ex - + f'v(z) = 22	nzo (n)!
b. F(x) = 1, a:1	P(+) = 1 - 1 (x-1) , 2(x-1)3 - 6(x-1)
X15	6 36 1! 216-4! 1296.3
F(x) = 1 -> F(1) = 1	2A (x-1)4
X+5 6	7776 4!
F'(x): -1 -> F'(t)=-1	- 3 (1) (n 1) 1
[215] ² 36	n=o (() ⁿ H
F"(x) = 1 -> F"(1) = 1	$\frac{1}{100} = \frac{1}{100} = \frac{1}$
(x H5) ⁵ 2V	n20 (6) nH
F"(x): -1 -> F"(1): -1	
(x #5) ⁴ 1296	
F'(*) = - 1 -> F'(1) = 1	
(x+5) ⁵ 7776	
C F(x) = 1 a = 3 f(x	$= 1 - 1(x-3) + 2(x-3)^2 - 6(x-3)^8$
x	3 9 11 27-2! 8(. 3!
p(x): 1 -> b(3): 1	24(2-3)4
7 3	243. 4!
F(x) = - 1 -> F'(3) = - 1	00 (-1\n. (1-2)n
(x) ² 9	n20 (3) nH
f"(z) = 1 = p = (3) = 2	(-1
(x) ³ 21	
F(x) = 1 = p((s) = -6	
(x) ^a 6(
f"(x)= 1 - p"(3)= 24	
(x) ⁵ 243	
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