(2)
$$\frac{1}{5}(x) = 2x^{2} - 5x - 1$$
 [1/2]

(2) Bix(tion iter=5 Sdig(t helokonyhomo 5 yarat: $\frac{1}{5}(a) = \frac{1}{5}(b) < 0$

(3) $\frac{1}{5}(a) = \frac{1}{5}(a) = \frac{1}{5}(a) < 0$

(4) $\frac{1}{5}(a) = \frac{1}{5}(a) = \frac{1}{5}(a) < 0$

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(9) $\frac{1}{5}(a) = \frac{1}{5}(a) < 0$

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(1) $\frac{1}{5}(a) = \frac{1}{5}(a) < 0$

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(6) $\frac{1}{5}(a) = \frac{1}{5}(a) > \frac{1}{5}($

		, , , , , , , , , , , , , , , , , , ,				
L.) Interpolas: Newton - Gregory						
	X	f(x)	ΔŦ	$\Delta^2 f$	\triangle 3 F	h=0,25
	1	1	-0/2	0,0667	-0,02867	S = X - X0
1,	25	0,8	-0,1333	0,03803		
	12	0,6667	-0,09527			= 11-1 = 0,4
	175	0157143				0723
F(1,1) Pendekat P3						
$P_3(x) = F_0 + \frac{5}{1!} 2F_0 + \frac{5(5-1)}{2!} \frac{5(5-1)(5-2)}{3!} \frac{3}{50}$						
13 (7) 16 (1/4) 2! 3!						
= 1 + 0.4.*(-0.2) + (0.4)(-0.6) + (0.4)(-0.6)(-1.6) *(-0.02867)						
= 0,91015536						
n						
(4) a.) Trape sium $\int_{0}^{\infty} f(x) dx = \frac{h}{2} \left(f_0 + 2 \sum_{i=1}^{n-1} f_i + f_n \right)$						
$= \frac{0.12}{2} \left(1 + 2^{*} 0.96154 + 2^{*} 0.186207 + 2^{*} 0.73529 + 0.60970 \right)$						
= 0,1(6,72756)						
=0,672756						
n-1 n-2 (C)						
Simpson $\frac{1}{3}$ $\int_{0}^{0.6} f(x) dx = \frac{1}{3} \left(f_0 + 4 \sum_{i=1/35}^{n-1} + 2 \sum_{i=2/46}^{n-2} + f_n \right)$						
$=\frac{0.2}{3}\left(1+4^{*}0.96154+2^{*}0.862^{-7}+4^{*}0.735^{2}9+0.60976\right)$						
-3 (17 4 0/96134 + 2 0/062 /-1 1 0/10) 1 10 gr						
$=\frac{0.12}{2}(10,12,122)$						
3						
= 0,674748						
Selisih pusat orde O(h2)						
$f'_0 = \frac{f_1 - f_1}{2h}$						
		- / I - 7 - 7 - 7 - 7 - 7 - 7 - 7 - 7 - 7 -		M * C ((12)	2	
* ,	-	F(0,4)=	(0,73529-0,96	(39)/2 01	. 100	

= -0,565625 -- -0,5656

** Selsih Pusat orde
$$O(h^4)$$
 $f'o = -f_2 + 8f_1 - 8f_{-1} + f_{-1}$
 $= -0.166976 + 8 \times 0.73529 - 8 \times 0.96159 + 1$
 $= -0.59156 = -0.5916$

** Selsih Pusat orde $O(h)$

F'o = $f_0 - f_{-1}$

h

$$\%$$
 Selisih Mundur orde $O(h)$

$$f'o = fo-f_{-1}$$
h

$$%$$
 Selisih Maju Orde $O(h)$
 $flo = f_1 - f_0$