

a. tinh + hang:

[(g₀ + y₀) - x₀ (g₀ + y₀) $\int_{x_0}^{2n} f(x) dx = \sum_{i=1}^{n} \int_{x_i}^{x} f(x) dx = \sum_{i=1}^{n} \frac{\alpha_i - \alpha_{i-1}}{2} \left(y_{i-1} - y_{i-1} \right)$ Simpson 1/3 J (x) dx & xc-20 (9c + 49g + 4c) $\int_{20}^{x_{n}} f(x) dx \approx \sum_{i=1}^{n} \frac{x_{i} - x_{i-1}}{6} \left(g_{i-1} + 4y_{i-1/2}, eg_{i} \right)$ Simpson 3/8 Jac f(x) dx = (x, -xp) (y d + 3y + 3y + y -) $\int_{x_0}^{x_n} f(x) dx \approx \sum_{i=1}^{n} \frac{(x_i - x_{i-1})}{2} \left(y_{i-1} + 3y_{i-2/3} + 3y_{i-1/3} + y_{i-1/3} \right)$ ol. Gans: Sp(x) die = E wk f(wk) (1) Thong to we là là cat thong si tương ủng với các vi trư se To tim ca'c giá thị uk sundo (1) chính raic với coic eta Thưc có bậc Mi hon In. Nghĩa là:

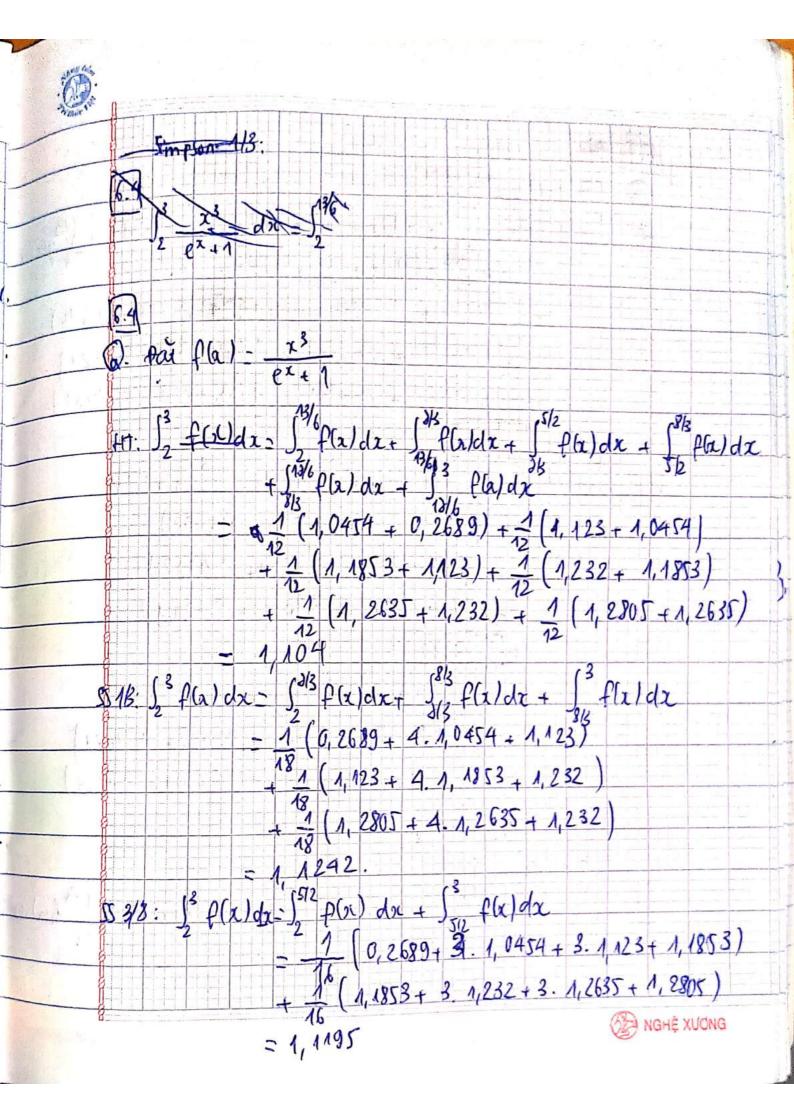
MGHĘ XƯƠNG

0:	
Traise	1 6-a= n1+ v2+ + vn f(x)=1
	$\frac{b^2-a^2}{2}=w_1x_1+w_2x_2+\dots+w_nx_n$ $f(x)=g_c$
	$\frac{1}{b^{n}} = \frac{1}{a^{n}} = \frac{1}{w_{n}} \times \frac{1}{a^{n-1}} + \frac{1}{w_{n}} \times \frac{1}{a^{n-1}} \times \frac{1}{a^{n-1}} \times \frac{1}{a^{n-1}} \times \frac{1}{a^{n-1}} \times \frac{1}{a^{n-1}} \times $
6.2	
a.	Cardo for the da
	Hinh thank
	J. f(x) dx= J. f(x) dx+ J. f(x
(11, 11, 11, 11, 11, 11, 11, 11, 11, 11,	= 24,815 + 40,04 + 42,02 + 36,26 + 33,945 + 29,895
	262,025
	Simpson 1/3: Simpson 1/4: Si
	$\int_{0}^{3} f(x) dx = \int_{0}^{2} f(x) dx = \int_{2}^{4} f(x) dx = \int_{4}^{6} f(x) dx = \int_{4}^{6} f(x) dx = \int_{3}^{4} f(x) dx = \int_{4}^{6} f(x) dx = \int_{4$
11(8':	- 32,85) + 1 (32,85 + 4.35,04 + 24,35) -
	= [211, 0968]
8 -	Simpson 3/8.
64	$\int_{0}^{1} f(x) dx = \int_{0}^{1} f(x) dx + \int_{0}^{1} f(x) dx$ $= \frac{3-0}{15,42+3.34,21+3.45,83+39,63}$
	8 3 (39,6) + 3 32,85 + 3. 35,64 + 24,85)
	211, 2825

MGHỆ XƯƠNG



3 char W	
	6 Hinh thang: J ⁹ f(bi) dx = 5 ⁴ f(bi) dx + 5 ⁵ f(a) dx + 5 ⁶ f(a) dx 3 (80) 1 (190) 1 (200)
	J flowdat f flowday J flowday J flowday
	+ 1 1 1 2 ch + 3 full out
1 × 1 × 1 × 1	= 1 (AS, 42+34, 21) + 1 (34, 11+45, 8) + 42, 12 + 36, 21
	2 3,945 + 29,895
	= [20], 225].
	Simpson 1/3:
a plate	J3 forldn= J3 for) da + J3 falde + J3 flox) doe
	- 15-3 (15,42+4.34,21+45,88)+1(45,88+4
7(17, PE = =	
	= 211,096}
	Scimpson 3/8:
	$\int_{3}^{9} f(x) dx - \int_{3}^{6} f(x) dx + \int_{6}^{9} f(x) dx$
ni. F. 17 19	= (15,42+3.34,21+3.45,8) + 39,6)
17 0	1 9-6 (39,6) + 3. 32,85 + 3. 35,64 + 24,25)
	241 2825
	a. I Hinh thang. (213 (1 (48 (5)3)
	Jo x dx = Jo x dx + J x dx + J x dx + J x dx + J x dx
	A Locale
	1 (2 1) + 1 (2 1) + 1 (2 1) + 1 (2 1) + 1 (2 1)
	4 (24 5) = 13 NGHỆ XƯƠNG
	$+\frac{4}{6}\left(2+\frac{5}{3}\right)=\frac{13}{6}$





3 mars
D. Out 9 (1) = lh (2+2)
15 0 () dy - (3 0) dt +) o (2) dx +) o (2) dx +) g (2) dx
$ \frac{1}{4} \int_{38}^{38} g(x) dx + \int_{38}^{3} g(x) dx $
-1(0,516+0,5493) + 1 (0.4882+0,516)
4 (0,4621+0,4882)+1 (0,4399+0,4621)
41 (0,4201+0,43 9 9)+1 (0,4024+0,4201)
7 - 1 - 2 - 0,9337
SS113. J. g by dx = J, g a/dx + J, g a) dx + J, g ba/dx
= 2(0,48)2 +4-0,516+0,8493)
2 (6,4399 4 4 0,4822)
(1) 4 (1) (0,4024 4 0,480 1 4 0,439 g)
$\frac{SS_3/8}{J_1gla} J_2gla dx = \int_{-2}^{2} g(x) dx + J_2g(x) cloc $ $= 2 \left(0, 5493 + 3, 0, 510 + 3, 0,4832 + 0, 4621 \right)$
4 (0,4621+ 3, 0,4399+ 3, 0,4201+ 0,4624)
0, 9332 .
(c) (Pay h (1) = sin (1) + 1)
47 + (1 h(x) dx - (1/6 h(x) dx + (1/3 h(x) dx + (1/2 h(x) dx + (1/2 h(x) dx)))
(879 6 1 6 1 6 1 6 1 6 1 6 1 6 1 6 1 6 1 6
43 1 3/4 1 3/4
8

 $\frac{1}{1} \left(0,8562 + 0,8445 \right) + \frac{1}{12} \left(0,8962 + 0,8562 \right) \\ + \left(0,949 + 0,8962 \right) + \frac{1}{12} \left(0,992 + 0,949 \right) \\ + \left(0,9924 + 0,992 \right) + \frac{1}{12} \left(0,9093 + 0,9924 \right)$ $\frac{1}{18} \left(\frac{1}{18} \right) dx = \int_{-18}^{18} h(x) dx + \int_{-18}^{18}$ + 1 (0,992 + 4.0,949 + 0,8962) 0, 9288 SS 3/8: 5 h(x) dz = 5 h(x) dr + 5 h(a) dx 1 (0,949 + 3. 0,8962 + 3.0,8562 + 0,845) - 16 0 9093 + 3.0,9924 + 3.0,992 + 0,949) - 0,9288 Box t(x) = ln (x +1) $\int_{-\frac{\pi}{4}}^{3} \int_{-\frac{\pi}{4}}^{4} f(x) dx - \int_{-\frac{\pi}{4}}^{\frac{\pi}{4}} f(x) dx + \int_{-\frac{\pi}{4}}^{4} f(x) d$ $=\frac{1}{2}(0,1054+0,6931)+\frac{1}{3}(0,1054+0,1054)$ 2 (0,6931 + 0,1054) + 2 (1,3291 + 0,6931) 1 (1,8632 + 1,3291) + 1 (2, 3026 + 1,8632) MGHE XƯƠNG



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SS 1/3: \int_{-2}^{3} f(x) dx = \int_{-2}^{1/3} f(x) dx + \int_{-3/3}^{3/4} f(
                                                                                                                                     \frac{2}{3}(2,3026+4.1,8632+1,3291)
  SS 3/8: S3 + (a) dx = S + (a) dx + S3 + (a) dx
                                                                                                                                   = 1 (0,6931 + 3. 0,1054 + 3.0,1054 + 0,6931)
+1 (2,3026 + 3. 1,8632 + 3.1,3291 + 0,6931)
                                                                                                                             - 3,6428
  6.6 Dung luthy top tin:
                                            5 18 f(n) dx = 5 f(n) dr. 1 5 f(x) dn + 5 f(x) dn + 5 f(x) dre
                                                                                                                    +\int_{0}^{13}\rho(x)dx
                                                                                                             = \sqrt{\frac{3}{2}(35,6)19+19,2}(61)+1(33,9505+35,539)
+2(25,3436+33,9505)+2(41,2512+35,24)6)
+\frac{3}{2}(32,5048+41,2542)
[6.8] 8120 = 25 [ 15130 = 13,5 ]. 17130 = 15,5 ]. 17530 = 15,5 ]. 17530 = 15,5 ]. 17530 = 15,5 ]. 17530 = 15,5 ]. 17530 = 15,5 ]. 17530 = 15,5 ]. 17530 = 15,5 ]. 17530 = 15,5 ]. 17530 = 15,5 ]. 17530 = 15,5 ]. 17530 = 15,5 ]. 17530 = 15,5 ]. 17530 = 15,5 ]. 17530 = 15,5 ]. 17530 = 15,5 ]. 17530 = 15,5 ]. 17530 = 15,5 ]. 17530 = 15,5 ]. 17530 = 15,5 ]. 17530 = 15,5 ]. 17530 = 15,5 ]. 17530 = 15,5 ]. 17530 = 15,5 ]. 17530 = 15,5 ]. 17530 = 15,5 ]. 17530 = 15,5 ]. 17530 = 15,5 ]. 17530 = 15,5 ]. 17530 = 15,5 ]. 17530 = 15,5 ]. 17530 = 15,5 ]. 17530 = 15,5 ]. 17530 = 15,5 ]. 17530 = 15,5 ]. 17530 = 15,5 ]. 17530 = 15,5 ]. 17530 = 15,5 ]. 17530 = 15,5 ]. 17530 = 15,5 ]. 17530 = 15,5 ]. 17530 = 15,5 ]. 17530 = 15,5 ]. 17530 = 15,5 ]. 17530 = 15,5 ]. 17530 = 15,5 ]. 17530 = 15,5 ]. 17530 = 15,5 ]. 17530 = 15,5 ]. 17530 = 15,5 ]. 17530 = 15,5 ]. 17530 = 15,5 ]. 17530 = 15,5 ]. 17530 = 15,5 ]. 17530 = 15,5 ]. 17530 = 15,5 ]. 17530 = 15,5 ]. 17530 = 15,5 ]. 17530 = 15,5 ]. 17530 = 15,5 ]. 17530 = 15,5 ]. 17530 = 15,5 ]. 17530 = 15,5 ]. 17530 = 15,5 ]. 17530 = 15,5 ]. 17530 = 15,5 ]. 17530 = 15,5 ]. 17530 = 15,5 ]. 17530 = 15,5 ]. 17530 = 15,5 ]. 17530 = 15,5 ]. 17530 = 15,5 ]. 17530 = 15,5 ]. 17530 = 15,5 ]. 17530 = 15,5 ]. 17530 = 15,5 ]. 17530 = 15,5 ]. 17530 = 15,5 ]. 17530 = 15,5 ]. 17530 = 15,5 ]. 17530 = 15,5 ]. 17530 = 15,5 ]. 17530 = 15,5 ]. 17530 = 15,5 ]. 17530 = 15,5 ]. 17530 = 15,5 ]. 17530 = 15,5 ]. 17530 = 15,5 ]. 17530 = 15,5 ]. 17530 = 15,5 ]. 17530 = 15,5 ]. 17530 = 15,5 ]. 17530 = 15,5 ]. 17530 = 15,5 ]. 17530 = 15,5 ]. 17530 = 15,5 ]. 17530 = 15,5 ]. 17530 = 15,5 ]. 17530 = 15,5 ]. 17530 = 15,5 ]. 17530 = 15,5 ]. 17530 = 15,5 ]. 17530 = 15,5 ]. 17530 = 15,5 ]. 17530 = 15,5 ]. 17530 = 15,5 ]. 17530 = 15,5 ]. 17530 = 15,5 ]. 17530 = 15,5 ]. 17530 = 15,5 ]. 17530 = 15,5 ]. 17530 = 
                                                                           = 2 (12,5 + 19, 2) + 4 (19,2 + 29,1) + 1 (29,1+35,8)
                                                                                  +3(35,8+30,3)+1(25,6+30,3)+3(25,6+15,4)
                                                                                        +1 (15,4 +8,2)
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and the	
	[283, 1083]
h 12.	6 10
	$\int_{1}^{31} f(x) dx = \int_{1}^{3} f(x) dx + \int_{1}^{31} f(x) dx = \int_{1}^{31} f(x) dx + \int_{22}^{31} f(x) dx$
	= 3 (538+498) + 9(498+605) + 3,5(605+5)1)
	4 4,5 (5) 1+ 553)
	₹ 1
	= Pound thu: 16694 * 25000 (t) = 4 20 [418 350 000 [t)
	6.11
3. 0.	a. Sô let bia: 531 f(a)dx = 30 (3) + 3 28 + 3.42+35) - 105)
	Số Kết nước ngợt. 52 g(n) dn = 30 (46+3,50+3,42+40)=1352,5
	=1 Doomh + hu: 105),5 280 000(x) + 135), 5 100 000 = 5540 2500
	5. Loi Muan cu'a moi Ket sia: 1052,5 25000 = 26 43) 500 (et)
	Keil ruid ngot 13 s), 5 * 32000 - 43 440 0000
	=> Tông lài nhuân [69822 500 (J)]
	=) (Li nhuân từ việc ban nưới ngọt cao hòn)
	[6.12]
	$ \int_{1}^{13} f(x) dx = \int_{1}^{3} f(x) dx + \int_{1}^{13} f(x) dx $
2-1	- 2 (6)9-4.842+216)+ 2 (216-4.295+263)
	18344
	=, Chi phi thue? 18844 4 4 (m &)= (25 326 (7x d).
	6 19

