Meda Margueiz, Christian Eduardo Fjercicios es de Mayo Ejercicio 1 $\frac{2}{x^3} dx$ por simpson 1/3 simple. [a,6] = [1,2] Km = 1+2 2 f(x) dx = (b-a) [f(a) + 4f(xm) + f(b)]xi f(x:) x 0.5 0 1.5 LSI 7027 882 (2x3 dx-(2-1) 0.5+4(1.517027882) +3.313708499 3.313708499 /1+ Jx 2 2 1.6469 70005 Fjercicio ? Simson 1/3 compuesto h= b-9- 1+1= 6 intervalos i. Vi (Alsi), many osale Indiana on h x 160

			1				- 6	YOY	0.743	21	1		SIAM							bel	
	1	X.	t((,5)					X	· Xm	It	(xm) of) 8		20	1910 Y	17			
	0	-1	0	219	792	028			ni -	-56	0.2	7-74	13%	74	765	63					,
	1	-43	0.3	317	3927	139		1	1	1	0.3								10	1070	10x I
	2	- V3	0.	378	539	285			-	1/6	0.	39	38	47	85						
	3	0	0.	398	947	28		da	mi	1/68	0:	392	84	78	5	4		16	×	3	
	4	1/3	0.	37	850	1285				1/2		.35				1		-X	1+	,	
	5	43	0.3	317	392	739		638		5/6	0.	277	41	177	07						
	6	1	0.2	19	792	08												541		~3	
721		1	1	1 01-		220			5	= ?	.03	85	260	56	6			5			
121			14	140	866	201			(24.	W).	-	60	4								
	(6		, ,	x =	(1	1	f(x	0)+	4 5	t	(xm	+ (25	f(x;)	+f	(x,	Vi	114	18	1
	la	+ CX	10	x -	(0-	4)).	21	6	-)=					1	1.0	1	0
	a r	8 18						5/29	0		1	16				381	TS	0.5	21	2.)	1
				35	_(2)[0.21	97.	9202	8+	2 (1.	790	1806	329)+4	(2.1	538	526	566	1	5
										1208									00		
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		5		13).							u	* -	201	0V Y }	AV 1	9			T TI	sl	
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													0	0	0	J				1.1	
	18												1	1	2,7	188	2818	28			
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			7.				3		8		3		3	3			835				
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) -	2 2								
1												4	- 2	40	-99	162	661	+			

Kmi flomi
1/3 0.96766361 (FC) 1= 1-8 ((x) +35 ((xm) +2) +6(x) +f(x) n
3/3 1.7015 02009
43 4.15421798
73 6.27731207 4 0 +3 (48.9567866) + 2 (40.99626614) + 86.6691608
7/3 13.67 76884 32
8/3 19, 95 75 9457
10/3 41.87 368562 = 76.94150661/
11/3 60.32586767
Z=148.9567866
Fiercicio 4
(Tinx)3 dx por simpson 3/8 simple
12
h-bq, A-2 = 2
[2,4] h-b-9, 4-2-2
("(x) + (x) + 3 + (x) + 3 + (x) + + (x))
$\int_{a}^{n} f(x) dx = \frac{b-a}{b} \left[\frac{f(x_{0}) + 3f(x_{1}) + 3f(x_{2}) + f(x_{3})}{8} \right]$
Xi f(xi) = (2) [0.333024652 +3(0.943583266) +3(0.943583266) +266419)
2 0.3330 24652 - 8 216
8/3 0.94 3583266
10/3 1.74 5219397 = 2.76590 264
4 2.664197216
12.00

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