100000000000000000000000000000000000000	1 1 2 5 1 2		
- 1	Lab 3 Submission		warenige of the same of the sa
-	0 = (0)00 : 21	overtei de rél	
4	Question 1		
OAAD AAAA AAAA AAAA AAAA AAAA AAAA AAAA	ero . 9-1		
&	W(y) = G y (y-b) is the velocity in z-direction		
5	24 (25 m)		
-	areno - (ero) =		
***************************************	Integrating Wily) in y direction gives		
	3 3 1 1 3 -,		
-	(Q = 1 Gb3 expansion and 25.0 = 1		
-	12 · µ		
10	002518200		
and a second	Analytical solution for 0 at b=1 and 9/4=-1		

	has soler in stylene self complete accomplish at self of second self-		
- Average	Weys = Q	Marie Control	
15	J		
***************************************	$= -\frac{1}{(-1)(1)^3} = \frac{1}{12} = 0.08333333$		
and the same state of the same	12 222800012 20000 - FREEEERS	E2 0.	
-			
		9 - 13	
(a)	for 1 interval: W(0) = 0	h= 1-0 =	1
(a)	for 1 interval: $W(0) = 0$ Since $b = 1$ $W(1) = 0$		1
		h= 1-0 =	\
	since $b=1$ $W(1)=0$	h= 1-0 =	
	Since $b=1$ $w(1)=0$ $I_1 = 0.5(0+1)(w(0)+w(b))$	h= 1-0 =	
	Since $b=1$, $W(1)=0$ $I_1 = 0.5 (0+1) (W(0)+W(b))$ $I_2 = 0.5 (1) (0) = 0$	h= 1-0 =	
20	Since $b=1$, $W(1)=0$ $I_1 = 0.5 (0+1) (W(0)+W(b))$ $I_2 = 0.5 (1) (0) = 0$	h= 1-0 =	(d)
20	Since $b=1$ $W(1)=0$ $I_1 = 0.5 (0+1) (W(0)+W(b))$ $I_2 = 0.5 (1) (0) = 0$ $\text{for 2 intervals}: W(0)=0$ $W(1)=0$	h= 1-0 =	
20	Since $b=1$ $W(1)=0$ $I_1 = 0.5 (0+1) (W(0)+W(b))$ $I_2 = 0.5 (1) (0) = 0$ for 2 intervals: $W(0)=0$	h= 1-0 =	
20	Since $b=1$ $W(1)=0$ $I_1 = 0.5 (0+1) (W(0)+W(b))$ $I_1 = 0.5 (1) (0) = 0$ for 2 intervals: $W(0)=0$ $W(1)=0$ $h = b-q = 1-0 = 0.5$ $n = 2$	h= 1-0 =	
20	Since $b=1$ $W(1)=0$ $I_1 = 0.5 (0+1) (W(0)+W(b))$ $I_1 = 0.5 (1) (0) = 0$ for 2 intervals: $W(0)=0$ $W(1)=0$ $h = b-q = 1-0 = 0.5$ $N = 0.1250$ is the no	h= 1-0 =	
20	Since $b=1$ $W(1)=0$ $I_1 = 0.5 (0+1) (W(0)+W(b))$ $I_1 = 0.5 (1) (0) = 0$ for 2 intervals: $W(0)=0$ $W(1)=0$ $h = b-q = 1-0 = 0.5$ $n = 2$	h= 1-0 =	
20	Since $b=1$ $W(1)=0$ $I_1 = 0.5 (0+1) (W(0)+W(b))$ $I_1 = 0.5 (1) (0) = 0$ for 2 intervals: $W(0)=0$ $W(1)=0$ $h = b-q = 1-0 = 0.5$ $N = 2$ $W(0.5) = 0.1250$ is the not	h= 1-0 =	

2000															
	for 4	intervals	1	wo	= 0				•						
				w(ı) = 0			1 nostano							
5	h = b-a = 1-0 = 0.25														
	periodical of planty of a (d-y) v p = (v)W														
	W(0.25) = 0.09375) new points														
	w(0.75) = 0.09375														
	W(0.5) = 0.1250														
	$I_4 = 0.25 (0+0+2(0.09375+0.1250+0.09375))$														
						2	10 12(0,0)210	1 54							
10					= 0	0.078125	00								
					1-2.5		1=0 400 -	Analytical and plant							
	The o	SKERK JU	each ca	so is t				analytical value and							
								1							
	wap	estimate	e in eac	cu insta	mee (T,sT,I	4)	Share sales							
15			50000	2 .											
								£, = 0.08333333 - 0 = 0.083333333							
	55 - 0.0623273 0.0652 > 0.05087333														
	-		82222	22 - 04											
	٤4	= 0.0	83333	33 - 0.0	08 =	0.00	333333								
	•			"		٥.٥٥	333333 d = (a)W	: Investor : sof	(8)						
20	•	= 0.0	No. of	Intervals	Trap. E	a.oo	333333 Evror		(6)						
20	•	= 0.0	No. of	Intervals	Trap. E	stimate	Evror 0.0833333		(B)						
20	•	= 0.0	No. of	Intervals	Trap. E	a.oo	Evror 0.08333333	: Investor : ad	(6)						
20	•	= 0.0	No. of	Intervals	Trap. E	stimate	Evror 0.0833333		(6)						
	2 0 -1	= 0.0	No. of 2	Intervals	0.06°	stimate	Evror 0.0833333 0.02083333 0.003333333	: Investor : ad	(16)						
20 (b)	2 0 -1	= 0.0	No. of	Intervals	0.06°	250000 812500	Evror 0.0833333 0.02083333 0.003333333	: Investor : sol	, 0						
	2 0 -1	= 0.0	No. of 2	Intervals	0.06' 0.07!	250000 812500	Evror 0.0833333 0,02083333 0,003333333	: Investor : rot	, C						
	[eve]	No. of 1	No. of 2	Trap Es	0.06' 0.07!	250000 812500	Evror 0.08333333 0.02083333 0.003333333	: Investor : rot	, C						
	[evel	No. of 1	No. of 2	Trap Es	0.06' 0.075 timate	250000 812500	Evror 0.0833333 0.02083333 0.003333333	: Investor : rot	2 nd level R.C.						
	level 1 2	No. of 1	No. of	Trap Es	0.06 0.075 timate	250000 812500	Evror 0.08333333 0.020833333 0.003333333	Rhomberg Integral (2 nd level R.E						
	level 1 2	No. of 1	No. of	Trap Es 0,0625	0.06 0.075 timate	250000 812500	Evror 0.08333333 0.020833333 0.003333333 ordson Extrapolation 0.83333333	Rhomberg Integral (2 nd level R.€						
(b) ₂₅	level 1 2	No. of 1	No. of	Trap Es 0,0625	0.06 0.075 timate	250000 812500 1st Richa	Evror 0.08333333 0.020833333 0.003333333 ordson Extrapolation 0.83333333	Rhomberg Integral (2 nd level R.C.						
(b) ₂₅	[2ve] 1 2 3	No. of 1	No. of	Trap Es 0,0625	0.06 0.075 timate	250000 812500 1st Richa	Evror 0.08333333 0.020833333 0.003333333 oxidson Extrapolation 0.83333333	Rhomberg Integral (2 nd level R.E.						

-	145 5ug b	112 705025520-	-1				
	1v3 1st Richardson Extrapolation:	4 (0.07812500) - 0.06250000					
	/ . / 1+P3 x mergen	1 1 10 500 4 - 1					
	(s /	= 0.08333333					
5		EEEEEFo.o a					
	1v3 2nd Richardson Extrapolation:	42(0.08333333) - 0.08333333					
1 5	neter autor sit to fait an away ork or the an bologe 4 2- 11 were out 20%						
	0 manda (vm 70 = 0.08333333 70 Martylana						
	: yes it is expected as the value dotained	is the same as the analytical solution of in	rtegration				
10		of wly)	which is				
(c)	For the existing limits of integrals (a:	o b=1)					
			v y				
	W14) Q = W14) = G	y (y-b) dy					
] 21	, ,					
15							
	for Gauss-legrende limits should	be -1 to 1					
	y = (1-0) x + (1-0)						
	2						
20	y = y' + 1						
	2						
	W(y') = 9 / 1 y'+1 12 / y'+1	/ b)					
	24 / 2 / 2						
25		PASO 28 FF 72.0 -					
	for 2 points Gauss-legrende	c,=1 21,=0.55	← y.'				
	Az	> c2=1 x2 = 0.57350269	← y2				
		ot devivative)					
	$I = b-q \qquad (w(y') dy')$						
30	2		100				
	= 1 [A, W(Y') + A2W(Y'2)]	,					
	2						
-							

	$= -\frac{1}{2} \left(\frac{-0.577350269 + 1}{2} \right)^{2} - \left(\frac{-0.577350269 + 1}{2} \right)^{2}$						
4							
	$-\frac{1}{2}\left(\begin{array}{c}0.577350269+1\\2\end{array}\right)^{2}-\begin{array}{c}0.577350269+1\\2\end{array}\right)$						
. 5	= 0.08333333 EXERCESO.0 = (ESERBESO.0) A 1 monthslagantis masternalish fines (e.e.)						
	Yes, the result is expected as it is the same as that of the value abtain	ed					
	analytically of the integration of wey) which is Q						
	on the matheliae functions out an enemand of the humanitar outer out on helpingue as the enemand of the						
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	(1 = d usp) stergator for stimut posteres and red	(a)					
-	Ap (9-6) A B = (AM) = 0 Mays.	-					
	45						
15							
	for beass-teamede that's should be -1 to 1						
	(a-r) + * (a-r) - v						
	(010) + *(011) + *						
	$y = y^{i+1}$						
20							
	(8/1+'x = 1+'x) = = cym						
	(5) (5) 45						
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25	22.0- 20.00= 2: 1 = 3 'sharpet - 22.000 along 3 to						
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