Assignment 2	
Assignment 3	
a = 0 b=	4 C=8
	1 18 9 1911 18 1811
Putting values	,
	2000 AM 1887 GO CO
3 ((8+	+1) n2 cosut n"+1 - (0) n) dn
1 0	
2	
(9n)	2 cosn + nº ldnishadi
1 J	
	where n=4
T	
Trapezoidal Rule	
h = b	A
	9-a = 3-1 = 0.5
	4
Table	
~	u
1	5.8627
1.5	9.02-61
	17.0187
2	
2-5	52.5919
	52.5919
2.5	162.8106
2.5	162.8106
$\frac{2.5}{3}$ $\int f(x) dx = \frac{h}{\lambda} \left( y \right)$	
$\frac{2.5}{3}$ $\int f(x) dx = \frac{h}{\lambda} \int y dx$ $= \frac{h}{\lambda} \int y dx$	162.8106 +2(y2+y3+y4)+y5] -A
$f(n)dn = \frac{h}{\lambda} \int_{0}^{\infty} y_{1}$ po coess  Putting value	162.8106

-			A STATE OF THE PARTY OF THE PAR	The state of
_	-81	Ų	42	67

## 2) Simpson's 1/3rd Rule

$$h = b-a = 3-1 = 0.25$$
 $2(4)$ 

## Table

0.	y		
1	5-8627	41	
1.25	7.4860	y.	
1.5	9-6262	ys	
1.75	11.5001	94	
2	17.0127	ys	
2.25	29.0439	yı	
2.8	52.5919	yı	
2.75	94 +3660	ya.	
3	162.8106	ya	

-(A

pletting values in A

+ 29-0439+94-3660)+2(9.0262

6	1			
0	- 16			
•	1	Simpson's 3/9th	Rule Madride A come	
0	10	Simpson's 318th	Kote	
		h= b-a = 3-	1 = 0.1666	
0	-	3n 3(		
0				
0-		Table		
0-			8 01 -	
0	-	1	5.8627 yı	
	-0	1.1666	6.9779 92	
-		1.3332	7 · 9770 43	
6		1-4998	9.0248 44	
0		1.6664	10.4641 gs	
6	10	1.833	12-8542 46	
	-	1-9996	17.0058 47 7	
		2.1662	24.0118 yz	
8	(3)	2.3328	35 = 2728 yq	
6	100	2-4994	62.5166 410	
0		2.8326	77.8163 gu	
	- 69	2.9992	113-5660 912	
1127		2.1992	(62.5387 413	
49	1	6 [8.11. 26 ] 11. + 21		
	-	(man = 27) gr 7 31	y2+ y3+y5+y6+ y8+y4+911+y12)	
		a J & C		
	-0	+2(44+47+410)+413)		
062		= 310-11111 5-9627+	70 0 9770, 7 977, 10,0/11412, 9502	
	-19	= 3(0.1666) [5.8627+3(6.9779+7.977+10.4641+12.8542		
49	-0	+11.000, 15 177 8+77 2162 . 112 51/2 ) A 1/9 6240		
	- 69	+ 24.0118+35.2728+77.8103+113.5662) + 2(9.6248 + 17.0058+52.5166)+162.5387		
	(A)	11100000 4 22	-3/66/7/02/3001	
(0)		= 74.4900		
A Sid	<b>3</b>	- 1-10 (100)		
	0			
The last	in .			