



\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \				
4, lo G) Solo) de + Solona	- = Jo Jovan			
6) Sugardo - Sogardo	= f (c f fa) dr			
C) Solowar + So Janks	= Js Jondo			
9,11				
2) 5 3 dy = h 1 = 56=70 Ch77 7-1=6	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	1) \(\int_3 \) \(\lambda \)	12 -1/4 + ⁹ / ₂ = s	
$\int_{\Omega} \frac{6}{16} (10 - \lambda) dx = \frac{(111)}{2} = \frac{619}{2} + 29$	6=15, 10=3 11322 = -2, 10=	(-1,67 =->	6.h = 1.1 = 1/2	
((0,0) (0,(0) [2,6]	do carte trace of soil	(0,37 - x	G-7 = 3-3 = 3	
6: Lo-A = (h: 6-A = 9	The Rad and R			
4,66	a) (b) = ½ -> Rx	c) for = secoch	c) Jo)=xa_4++5	
$f(x) = \frac{1}{x}$ $f(x) = \frac{1}{x}$ $f(x) = \sin(x)$	$k = 1 \text{if } k = 2$ $\int_{1}^{4} dx = \left[\left[\left[\left(h \right) \right] \right] \right]_{1}^{2}$) 10=x-4=+s)d>	1) 1(4) = 1 ==-1 et ==1
60 (0)	And $=6$ assi of $=6$ In (1) $=6$ to $=6$ for	=fcm(1)D	Peindine $= \frac{V^3}{3} - dx^2 + dx$	$\int_{\Gamma} \frac{1}{1+h^2} dh$ $= \int_{\Gamma} \frac{1}{h} \text{ oracla}(h)$
$f(x) = ne^{x}(x)$ 15 16 17 17 18 19 19 19 19 19 19 19 19 19	n(a) - n(l) $= n(a) - n(b) $ $= n(b) $	d) 16)=8-x3 x=-3 dr=-3	$= \frac{1^{3}}{3} - \lambda(-1)^{3} + 6561$ $= -\frac{3}{2}$ $= 4^{3} \cdot \lambda(6)^{4} \cdot \lambda(6)$	$= \frac{1}{1} \frac{e_{n} l_{n} \left(\frac{x}{l}\right)}{e_{n} t_{n} l_{0}}$ $= \frac{1}{1} \frac{e_{n} l_{n} \left(\frac{x}{l}\right)}{e_{n} l_{n} l_{0}}$
(e) (f) y $f(x) = x^2 - 4x + 5$ y $f(x) = \frac{1}{1 + x^2}$	f(s) = sh(s) $k = 0 if s = x$	$\int_{-3}^{2} (8-is^{2}) ds$ $= 8 ds - x^{2} ds$	$= \frac{4}{3} - \lambda (4)^{4} + 3(4)$ $= \frac{3}{3} - \left(-\frac{3}{3}\lambda\right)$	= 1 control (1) -/ control (-1) Control (-1)
1 1 2 3 4 3 1	$\int_{0}^{\infty} s_{M(s)} ds_{0} = [-cos(s_{0})]_{0}^{\infty}$ $= -cos(s_{0}) + cos(c_{0})$	= 8. (2 ~ (4))	3-(-2)	= 25
	=-(-1)+1 =-1 D	= by fore way	ı	
		$\int_{-\infty}^{2} w^{3} dx = 0$ $= d^{3} = 8$ $= d^{3} = -8$		
		1/4 Sp. (4-23)min		
		, rx		

4 12			
4,17 pres = 1 (fa) de () to(1)	e) <u>so</u>		
a) 1m 1-0	$=\frac{1}{9-\{1\}}=\frac{1}{5}\cdot\frac{80}{3}=$	3	
$\int_{0}^{\infty} \int_{0}^{\infty} \int_{0$			
= tali)	() *		
	7 7		
$\int_{a}^{a} \int_{a}^{b} \int_{a$	1/-11 = 1.2		
7 · 2 = 2 2 2 -(*) 7 2 1 · 32			
8 _b	* O		
4,(8			
@) Rf =) [(2 x5 - 4x +9) dx	h) ∫ Umar	C) J -2	
Star 6001 C S2341-452592	= 1/2 Splado	1 1-x2 ds a-1	
JEds = C+1 + C J = J = J	= 1/4 \int \frac{\times^{\section \text{\section}}{1/4 \text{\section}} \tau \C	Q 2 Jr	
$= 8x + 2 \qquad \int dx = 2 \frac{x^{14}}{34} = 2 \frac{x^4}{4} = \frac{x^4}{4}$	$= \frac{1}{2} \int \frac{y h_2}{y_2} = \frac{1}{2} \int \frac{1}{2} x h_2$	$= -\partial \int \frac{1}{1+2\sigma} = \partial \left(\arcsin \left(\frac{k}{\sigma} \right) \right) dc$	
6) RS		Time dorcsin / tc	
J 4x dx = 9x	= 1/2 · 1 w/6 = 1/2 × 6 + C	= -d arcsin(+)+C	
9 5,17 (6) ds = 14-2x+7x+c			
-4ces(w) 4 C	i) Jivodr m)	\[\langle x^4 - 360 + 560 \tau \cho \cho \cho \cho \cho \cho \cho \cho	
	$= \int_{0}^{\infty} \sqrt{3} dx$ $= \frac{\sqrt{3}^{4}}{\sqrt{6} + 1} dx$	ba dr	
C) Seb-cos(c)) ds) Signals		$= \int_{\infty}^{\infty} x^{3} - 3 - \frac{5}{n} + \frac{10}{n} dn$	
∫e= c* e =2∫ln(101)+c	- 寸=シャッチャロ		
	11	$= \int y d = \frac{\chi^{01/2}}{2^{-1/2}} = \frac{\chi^3}{3} + C$	
$\int -co(t^{2}) = \int sin(t^{2}) t dt$ $= \int co(t^{2}) = \int sin(t^{2}) t dt$ $= \int \int sin(t^{2}) dt$ $= \int \int sin(t^{2}) dt$ $= \int \int sin(t^{2}) dt$	/1	= J-3» + c	
- S co((r) = Sm(r) t C) dr?	= 174906) 72 C	= 5 - 5 = -5 In (14)) ec = -5/n (181) ec	
$= \frac{1}{16} \int_{0}^{16} \int_{0}^{16$	H) J 3 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	$\int \frac{10}{\chi^2} = \int \log^4 dx = 10 \int \frac{\chi^{24/3}}{\lambda^{4/3}} = 10 \int \frac{\chi^{1/3}}{-1} = \frac{10}{20}$	
	$=\int \frac{3}{1+r^4} dr = 3\int \frac{1}{1+r^4} dr$	1 84 1 - 1 - 1 8	
d) = 1/2 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		$\frac{x^3}{3} - 3_{x} + 5/n x - \frac{16}{8} + c$	
d) (64+1) do = -1/4 + C	3 ft with (#) = 3 greba-(w)+ C 0	3 ~ ~ ~	
10.46 (1.4	- sano(m+20		
Stratt flade			
$\int 6r = 6 \cdot \frac{\kappa^{1-\epsilon}}{1-\epsilon} = 6 \cdot \frac{\kappa^{\alpha}}{2} = 3 \pi^{\alpha}$			
(bca = >			
= 3x ² +b+C			
- Jb 764C			

4.19		19	
	00	19 () { 8 - Sth = -S+	€C
a) Socrato	J. 322 de 23/ 2011 = 3 2 2 = x3	1	
		12 17 = 6 1	
) 2 Colo = [e]; = e = e	7 Jo-2 dr = -2>	-20 to to to	
6) 202	$= \int \chi^3 + \chi^3 - a_7 ds \qquad \qquad c \int_0^{2\pi} \int_{since}^{2\pi} ds$	4	
6) (2 x3 de = 1/24) +c	Jo sinos (1+40-2(5) = 720 = (coss)		
	(3+03+163=0 -1+1 =0	o	
= b = 2 = 1	=0		
= 4-1/4 = LS D			
4.20			
a) f(r) = casa), f()	$\frac{1}{2} = 4$ $C \int \int (b) = \frac{2}{35} \int (0) = 2$	3	
$\int (1) = S(n(\omega)) \neq C$	=] 2= 5 dr = 2 = 10-5-1	= 2 = 1 1 1 1 2 1 1 2 1 1	=9 \[\int (y) = x + \frac{1}{2} + 4 + c
= Sm(x) +C=9	= \(\frac{1}{\alpha_h} \neq C \)		\(\int \setminus ds \setminus \text{ \ \text{ \ \ \text{
6)	Jan's 4 C	=-2) ===================================	J2 += 21n/4)
6) f(x)' = 2 = 45, 1 (d	11)==1	= 3	\ \dots = 475
$2s = 2 \int \frac{k'''}{ k' } = \frac{k'}{4} =$		16) = x+2 40	J(0) = 2 + 2 + 2 + 10 (0) + 44+C
Jiel = 5	<u> </u>	\$ 10 = 1+ \frac{1}{4} + c = 2	$\int_{I} (I) = \frac{1}{4} + \lambda \int_{I} f_{I}(I) + \frac{1}{4} (II) = \frac{1}{4}$
1(x)= 1x2+5= +C	d) 11(b) = -sin(a), 1(e); 1(e).		- ½-
J(2) = 2 - 5(0) = Lo		= 3	1(0) = 3+7(0(1))+4-1/7
= 4+10=10	=- Sin(4) = [-(0s(4)	J(4) = Sing) + sxtc	
- 60-19	2 Cos (*) 4 C	Jes + Sin(b) + Skez	
=-40	1(s) = cos(o) = 6	1(0) - (2)(0)-65(0)= > 60	
	=-S	C = -3	
	$\int_{1}^{1} (y) = C \circ S(r) \cdot 4S$	/(x) = Sin(b) + Sb + 3 [7	
	7(8) 2 3 3 3	JUN - SMINESPI J	