1, 解: 0 12(裁)2-8裁+1=0.	C1= Y-1x	くる=>-立x /-立	
3. aiz-anau=16-120.	双曲里、 图 (2=y-tx.	、き13=4-され、別Q=(-さ)	
$\frac{1}{2} \left(\frac{\overline{O}_{11}}{\overline{O}_{12}}, \frac{\overline{O}_{12}}{\overline{O}_{12}} \right) = \left(\frac{-\frac{1}{2}}{-\frac{1}{6}}, \frac{1}{1} \right) \left(\frac{\overline{O}_{11}}{\overline{O}_{12}}, \frac{\overline{O}_{12}}{\overline{O}_{12}} \right) = \left(\frac{-\frac{1}{2}}{-\frac{1}{6}}, \frac{1}{1} \right) \left(\frac{\overline{O}_{11}}{\overline{O}_{12}}, \frac{\overline{O}_{12}}{\overline{O}_{12}} \right) = \left(\frac{-\frac{1}{2}}{-\frac{1}{6}}, \frac{1}{1} \right) \left(\frac{\overline{O}_{11}}{\overline{O}_{12}}, \frac{\overline{O}_{12}}{\overline{O}_{12}} \right) = \left(\frac{-\frac{1}{2}}{-\frac{1}{6}}, \frac{1}{1} \right) \left(\frac{\overline{O}_{11}}{\overline{O}_{12}}, \frac{\overline{O}_{12}}{\overline{O}_{12}}, \frac{\overline{O}_{12}}{\overline{O}_{12}}, \frac{\overline{O}_{12}}{\overline{O}_{12}} \right) = \left(\frac{-\frac{1}{2}}{-\frac{1}{6}}, \frac{1}{1} \right) \left(\frac{\overline{O}_{12}}{\overline{O}_{12}}, \frac{\overline{O}_{12}}{$	$\begin{pmatrix} 12 & 4 \\ 4 & 1 \end{pmatrix} \begin{pmatrix} -2 & -6 \\ 1 & 1 \end{pmatrix} = \begin{pmatrix} -24 & 6 \\ -24 & 6 \end{pmatrix}$	タラーナー アマー(-注 を フェン・古れ アマー(-注) フ トロ を で で F=0	
②. ⇒. U53=0. Rl U=f			
2, / Net = Unx+2 OCACL, +30	年 :	עיי	
- ulx=0=0 ulx=L=L	(0= W=x +2		
Ult=0=0 Utlt=0=0	(w(o)=0, w(L)=L. ⇒, v	v(x)=-x ² +(Lt1)x	
	(Vtt = Vxx	全V(ス、t)=X(スハ T(t)	
	V *0=V *=1=0 ==). 「X"+Ax=o	≥)n=(1)2
	VIt=-W(x). V+1+=0=0.	T+7=0 (x(0)=x(1)=0	$\chi_{V(x)} = \sin \frac{nx}{L} x$
	⇒ Tactiz C. Cos Tat + D. sing	nt = C·Os It+Dsin It	
<i>⇒</i> . ∨c«;	t)=層(c:cs:"E+psin"Et):Si	17X	
⇒ C -wa	の C)= 続 C·cin エタ 図	21/6 [x2-(141)x] sin - xdx 21/6 [x2-(141)x] sin - xdx	
		=-2120mv + 41200mr-1) + 21	UHUMA
105	: D .	= 21 (210x + 1/2 (1/37) = 21 (210x + 1/2 (1/37))	1075
		= nt + ntt c1).2ntl+4t(61)-1)	
		= (NTU)3	
灰 V(X.t)= 茶 C C	os L tsim X. Norti= mic	62 T + 214 Tx - 2+ (1717)	
3,儒: 当为 (0B 1 , X(x)=0	\rangle 0=B\rangle	γ σ=B	
当み>oBも、X(x)=Aのsあx+B.	Sinfix. =>. 10=-A広Sin友L·	BECOSEL OF ASINEL.	
⇒. 17L=1VT → n=1			
4.海中: U(x,t)=f(x+t)+9(x-t)			
	tenions - a - a test -		
4	f(x)+5(x) =0 =>, f(x)===		Land
lo=+(x)-8(x)	f00-S(x)=C 9(x)=-	₫C	
h(t)=+(t)+9'c+1 ≥.	f(t)-9(t)=5th(2)d2+C		
5	RI fet)=Set)+J\$her)dz+C		

				rt handa				
			= 1c +1 s-+) = 1c+1					
					₹5(X-t):	₹C		
			1(%t)=[o+h0					
5,/	0) F1(e-yla	"), 7>0. 有	串: 二元(元)					
			= 大小物	e Almitiax	ov .		S	
			= 75/-00 6	ywtiax dw t	完∫。e ⁻ /⁄0	otiax da		
			= 治 宋	X 6 Amticax	0 十元寸	tix e-yatia	x 1 to	
				一元·沙尔				
			- 元 3					
	م رم ر	(ا-و ق رر))	130 AT	ं द्व	- 	4.4.4		
	(2), L'(S(S)	ω) C					J.	
		. "г		w)]=(1-e-a		+> 0		
			F-45).6-4x.			校		
	÷ to	: (1-e-at -1+e)#	$=\frac{1}{\omega}(e^{-\omega})$	(t=a) -Wt)	t)点.		
5. A :	Ph.	ग्रा जि	м.мь)= 1 25c(In	FAMO -INFO	1)			
	(Fine)							
7./存译:	4.3 .a	Miles Latifers L.	ture was version					
yr+F.		y'(x)+ χy'(χ)+ (- +²						
		=2x. ⇒ + y"0						
	(2)_ T (1	M+3+1) = す([[注]				
			2 JL					
		= 3	ht)!!					
科 :	J-1 xn pacx	14⊀.						
	A	Sn = RED CK PK (X)	Par	x最高球板	$\frac{(2n)!}{(2n)!}$			
	1,,	$Cu = \frac{(3u)!}{5u(u!)s}$	71(()	A Micros de Curio.	+ 2 U//			
) K1	Cn - (2n)! 1 CkPk(X)Pn(X			2			
	Ð = ∏.;	100 UKHK(X)Ph(X	by 当	(=n04, 12,(x) h(x)= 21m+1,			

- L'Coparan ca	lw.	kanaa. Phixi	13. (*1 =n		
= J-1CnPn(X)Pn(X)dx = 1001) 2 = 10011 20011		KATING PACE	17((A) = U		
— (2n)! 2mH					
					40
		7.14			