1.)絆:	12(dx)2-8dx +1=0	0
	8. Q12-A11022 = 16-12>1	0. 双曲型
	@ C= y-tx ME	$\phi$ 0. 双曲型 $\phi$ $\left\{\begin{array}{cccccccccccccccccccccccccccccccccccc$
	(P) (m ar) = Q (12 )	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
		13-27=0. で=0 チェロ
	=>. (1.93=0. )/(1.1 x x+dx	1 N= +(1/-2x)+3(1/-2x)
2. 桶平.	00000 (v) do	Q=CAPdx[U(x+td+)-U(x+)) = CAPdxU+d+
	do	0,=-ICA Ux(x.t)dt dQ==-KA Ux(x+dx.t)dt
	zdQ'=d0,-d02	$\Rightarrow U_{+} = \frac{1}{CP} U_{XX} = G^{2} U_{XX}$
	C Ut=Q2Uax	€ U(1x.+)= X(x)T(+)
	=> \ u x=0=u x=1=0	=) [ X"+2X=0   TALF [ X"+2X=0   TAL A==(12)2
	(u t=0=10(x)	$\begin{cases} \chi_{1} = 0 & \chi_{1} = 0 \\ \chi_{2} = 0 & \chi_{1} = 0 \end{cases} $ $\begin{cases} \chi_{1} = \chi_{2} = 0 \\ \chi_{2} = \chi_{1} = 0 \end{cases} $ $\begin{cases} \chi_{1} = \chi_{2} = 0 \\ \chi_{2} = \chi_{2} = 0 \end{cases} $ $\begin{cases} \chi_{1} = \chi_{2} = 0 \\ \chi_{2} = \chi_{2} = 0 \end{cases} $ $\begin{cases} \chi_{1} = \chi_{2} = 0 \\ \chi_{2} = \chi_{2} = 0 \end{cases} $ $\begin{cases} \chi_{1} = \chi_{2} = 0 \\ \chi_{2} = \chi_{2} = 0 \end{cases} $ $\begin{cases} \chi_{1} = \chi_{2} = 0 \\ \chi_{2} = \chi_{2} = 0 \end{cases} $ $\begin{cases} \chi_{1} = \chi_{2} = 0 \\ \chi_{2} = \chi_{2} = 0 \end{cases} $ $\begin{cases} \chi_{1} = \chi_{2} = 0 \\ \chi_{2} = \chi_{2} = 0 \end{cases} $ $\begin{cases} \chi_{1} = \chi_{2} = 0 \\ \chi_{2} = \chi_{2} = 0 \end{cases} $ $\begin{cases} \chi_{1} = \chi_{2} = 0 \\ \chi_{2} = \chi_{2} = 0 \end{cases} $ $\begin{cases} \chi_{1} = \chi_{2} = 0 \\ \chi_{2} = \chi_{2} = 0 \end{cases} $ $\begin{cases} \chi_{1} = \chi_{2} = 0 \\ \chi_{2} = \chi_{2} = 0 \end{cases} $ $\begin{cases} \chi_{1} = \chi_{2} = 0 \\ \chi_{2} = \chi_{2} = 0 \end{cases} $ $\begin{cases} \chi_{1} = \chi_{2} = 0 \\ \chi_{2} = \chi_{2} = 0 \end{cases} $ $\begin{cases} \chi_{1} = \chi_{2} = 0 \\ \chi_{2} = \chi_{2} = 0 \end{cases} $ $\begin{cases} \chi_{1} = \chi_{2} = 0 \\ \chi_{2} = \chi_{2} = 0 \end{cases} $ $\begin{cases} \chi_{1} = \chi_{2} = 0 \\ \chi_{2} = \chi_{2} = 0 \end{cases} $ $\begin{cases} \chi_{1} = \chi_{2} = 0 \\ \chi_{2} = \chi_{2} = 0 \end{cases} $ $\begin{cases} \chi_{1} = \chi_{2} = 0 \\ \chi_{2} = \chi_{2} = 0 \end{cases} $ $\begin{cases} \chi_{1} = \chi_{2} = 0 \\ \chi_{2} = \chi_{2} = 0 \end{cases} $ $\begin{cases} \chi_{1} = \chi_{2} = 0 \\ \chi_{2} = \chi_{2} = 0 \end{cases} $ $\begin{cases} \chi_{1} = \chi_{2} = 0 \\ \chi_{2} = \chi_{2} = 0 \end{cases} $ $\begin{cases} \chi_{1} = \chi_{2} = 0 \\ \chi_{2} = \chi_{2} = 0 \end{cases} $ $\begin{cases} \chi_{1} = \chi_{2} = 0 \\ \chi_{2} = \chi_{2} = 0 \end{cases} $ $\begin{cases} \chi_{1} = \chi_{2} = 0 \\ \chi_{2} = \chi_{2} = 0 \end{cases} $ $\begin{cases} \chi_{1} = \chi_{2} = 0 \\ \chi_{2} = \chi_{2} = 0 \end{cases} $ $\begin{cases} \chi_{1} = \chi_{2} = 0 \\ \chi_{2} = \chi_{2} = 0 \end{cases} $ $\begin{cases} \chi_{1} = \chi_{2} = 0 \\ \chi_{2} = \chi_{2} = 0 \end{cases} $ $\begin{cases} \chi_{1} = \chi_{2} = 0 \\ \chi_{2} = \chi_{2} = 0 \end{cases} $ $\begin{cases} \chi_{1} = \chi_{2} = 0 \\ \chi_{2} = \chi_{2} = 0 \end{cases} $ $\begin{cases} \chi_{1} = \chi_{2} = 0 \\ \chi_{2} = \chi_{2} = 0 \end{cases} $ $\begin{cases} \chi_{1} = \chi_{2} = 0 \\ \chi_{2} = \chi_{2} = 0 \end{cases} $ $\begin{cases} \chi_{1} = \chi_{2} = 0 \\ \chi_{2} = \chi_{2} = 0 \end{cases} $ $\begin{cases} \chi_{1} = \chi_{2} = 0 \\ \chi_{2} = 0 \end{cases} $ $\begin{cases} \chi_{1} = \chi_{2} = 0 \\ \chi_{2} = 0 \end{cases} $ $\begin{cases} \chi_{1} = \chi_{2} = 0 \\ \chi_{2} = 0 \end{cases} $ $\begin{cases} \chi_{1} = \chi_{2} = 0 \\ \chi_{2} = 0 \end{cases} $ $\begin{cases} \chi_{1} = \chi_{2} = 0 \\ \chi_{2} = 0 \end{cases} $ $\begin{cases} \chi_{1} = \chi_{2} = 0 \\ \chi_{2} = 0 \end{cases} $ $\begin{cases} \chi_{1} = \chi_{2} = 0 \\ \chi_{2} = 0 \end{cases} $ $\begin{cases} \chi_{1} = \chi_{2} = 0 \\ \chi_{2} = 0 \end{cases} $ $\begin{cases} \chi_{1} = \chi_{2} = 0 \\ \chi_{2} = 0 \end{cases} $ $\begin{cases} \chi_{1} = \chi_{2} = 0 \\ \chi_{2} = 0 \end{cases} $ $\begin{cases} \chi_{1} = \chi_{2} = 0 \\ \chi_{2} = 0 \end{cases} $ $\begin{cases} \chi_{1} = \chi_{2} = 0 \\ \chi_{2} = 0 \end{cases} $ $\begin{cases} \chi_{1} = \chi_{2} = 0 \\ \chi_{2} = 0 \end{cases} $ $\begin{cases} \chi_{1} = \chi_{2} = 0 \\ \chi_{$
		$T_{A}(t) = C \cdot \rho \qquad = C \cdot \rho$
	<u>8</u>	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
	(x) = (k) (x)	$Sin \frac{dx}{dx} = C = \frac{2}{L} \int_{0}^{L} p(x) Sin \frac{dx}{dx} dx$
	(2) 当川七	=0=DRH. $C=\frac{2}{5}\int_0^1 D \cdot \sin \frac{nx}{L} \delta \cdot dx = (1-41)^n \int_0^{\frac{2D}{nx}}$
	RIU(x+)=;	E LI-(I) TO C SINTX.
3/科平:	全U(X.t)=V(At)+W(Z	(x.t)
	⇒ CVa=R	$\Rightarrow \begin{cases} B = \frac{q_0 - ku_0}{Lic} \\ B = u_0 \end{cases} \qquad \boxed{7.1 \ v'(x+) = \frac{q_0 - ku_0}{Lic} \times + u_0}$
	7 (10-15	90-k40
	Vt =Q2Vxx	$ \stackrel{?}{\Rightarrow} (X''+\lambda X=0  \stackrel{?}{\Rightarrow}  X''+\lambda X=0  \lambda_n = (\frac{n_X}{L})^2 $ $ \stackrel{?}{\Rightarrow} (X''+\lambda X=0  \stackrel{?}{\Rightarrow}  X''+\lambda X=0  \lambda_n = (\frac{n_X}{L})^2 $ $ \stackrel{?}{\Rightarrow} (X''+\lambda X=0  \stackrel{?}{\Rightarrow}  X''+\lambda X=0  \lambda_n = (\frac{n_X}{L})^2 $ $ \stackrel{?}{\Rightarrow} (X''+\lambda X=0  \stackrel{?}{\Rightarrow}  X''+\lambda X=0  \lambda_n = (\frac{n_X}{L})^2 $
	⇒   V x=0=V x=L=0	$\Rightarrow (X''+\lambda) X=0  \forall \exists  X''+\lambda X=0 \qquad \lambda n=(\frac{1}{L})^2$
	(Mt=0=No	$\Rightarrow \int X'' + \lambda X = 0 \qquad \uparrow \overline{h} \qquad \chi'' + \lambda X = 0 \qquad \lambda_n = (\frac{n\chi}{L})^2$ $\chi(0) = \chi(1) = 0 \qquad \chi_n(\chi) = \int_0^1 \frac{n\chi}{L} \chi$ $\chi(0) = \chi(1) = 0 \qquad \chi_n(\chi) = \int_0^1 \frac{n\chi}{L} \chi$ $\chi(0) = \chi(1) = 0 \qquad \chi_n(\chi) = $
		$T_{1}(t) = C \cdot C = C \cdot C$
	ml v.c.c	× 1/2 ( 1/2 ) - ∞ π
		- Md C

8 A AS	60					11			
	=> No= ==	C·Lin T.	M C= (nxa)	ISO No sin?	$\frac{1}{2} \times dx = \frac{1}{2}$	党[(⊢(⊣) <sup>η</sup> ]			
	⇒. ∨ (X.+):	E [HAM]	15.6	Zin TX					
	<b>火! い(x+) = √(</b>	% <del>{)</del> +\v(% <del>{</del> ;})							
<b>州</b> 、 <b>海</b> 平:	(C+1)(53)2 =	-t6 H + S-3	+ (5-3)2						
	⇒. f(x)= 16e <sup>-x</sup>								
5/角平:	<b>変り(Xf)=Y(X,f) +</b> V	(t.x)v							
	( Yty = avxx x6R, t>0								
	\ \\\t=0 = \chi		2-x+3xtx] <u> </u>	4] + 2¢   x-	et sinself				
	xni2=o=tlfY		ストドでいる						
	CM++=02Wxx+X+D+ XFR+>0								
	1 Wlt=0=0			1-2) (5th2) d	ls dr				
	Welter = 0.		= txt2+ tat	100					
	⇒ U(x,4)= ×+ 8	tsinxsinat +	+ 4xt2+ tat3						
6. 衛平:	[Jz(x)dx	[3],607	=-X <sup>1</sup> Jm1(X)						
	$=\int (-x^2)(-x^{-2}) \int_{\mathbb{T}^2} (-x^{-2}) \int_{\mathbb{T}^2$	(x) qx							
	= 1-x2 d x-2 J2(x)	)							
	=-J2(x)+2 x+								
	=-J2(x)-2x-1J1(	(x)+C			442				
7. 解:	(DG=-5(M-MD)	7520,Y20							
	G1 x=x=0=0.	GM	.Mo)= 20(1n	Himo-In Three,	-10 muz + 10	। क्रांग्ने			
			1						