



(ء	2	sel :	2	3rd	l l	egree	- Pe	lyno	m. rel	of	(+ - t	:)			
	K		١.			(-	m	4	3/2	ر آ زر	~( <u>}</u>	2 ) <sup>2</sup>	; m(	5° - 5'	)3-
=)	K	tot =	K <sub>x</sub>	K /	لم	- (a	かは(し	if-ti)	ex	1 [ ]	2 (ft	-t:)	1ko	(fr-f	)
										+ 4	SJ				

 $(3) \qquad (4) = t - t$ y(t) = 1 dxd(t) | dx, dt) Xel(+) = A cosul + B sinue Xelle) = - Ausinut + oucosux £;=0 => A=x;  $\dot{x}(t_{:}) = V = \beta = \frac{\sqrt{x_{:}}}{2} = \frac{\dot{x}(t_{:})}{2}$ =) X(t) = X: (cosut + xiti) =) Y(E) = Since Janitismot =) Fh.o = Jan; (tf-ti) | Since (exact sale answer)

And for K we just need e: Salt where:  $Scl = \frac{h\omega}{\sin \tau} \left( (k_1 + x_2 - ) \cos \omega T - \partial x_1 x_2 + k_1 \right)$   $\frac{\partial S}{\partial x_2} = \frac{h\omega}{\sin \tau} \left( \partial x_1 \cos \omega T - \partial x_1 + k_2 - ) \cos \omega T - \partial x_1 + k_2 - k_1 + k_2 - k_2 + k_2 - k_2 + k_3 - k_4 + k_4 - k_$ -) Dy; = -2 hw =) | H = 1 | 2 hw T | SinwT (5) we have  $\frac{1}{11} = e^{-\frac{3}{2}}$  différence, so  $\sqrt{2} = 1$