(	6	
		Jay Patel - Exam 2
		Song Total
	150	€1,eAx,e&x3
	00	Let f1 = 1, f2 = eAx, f3 = eBx
		11) (fufz f3) (x) = 1 eAx eBx
		$W(f_{1},f_{2},f_{3})(x) = 1 e^{Ax} e^{Bx}$ $O Ae^{Ax} Be^{Bx}$ $O A^{2}e^{Ax} B^{2}e^{Bx}$ $O A^{2}e^{Ax} B^{2}e^{Bx}$
		O A2eAx B2aBx
		1[AB2e(A+B)x - A2Be(A+B)x] - eAx(O) + eBx(O)
(	70 =	e (A+8) 3 AB [8-A]
		The state of the s
		50, W=0 A=B only, function f, f2, f3 are not
-	ofA*	50, W=B H=B Only, 11810001
		1100000 1000000000000000000000000000000
	FA*	w to A +B function fi, f2, f3 cure linear
		independent, this tollows above work.
		The Contract Course superinter the second of the course
	027	y"-iy'+12y=0
	95	
		all the second s
		$d^{2}(e^{x}) - id(e^{x}) + i2e^{x} = 0$
		- OJ
		$dx^2$ $dx$
		$dx^2$ Substituting $d^2(e^2x) = \lambda^2 e^2x$ and
		dat
		d (e/x) = he/x:
100		dx
0		72 110 yz =0
		2ex-12ex+12ex=0
3/21/1		







