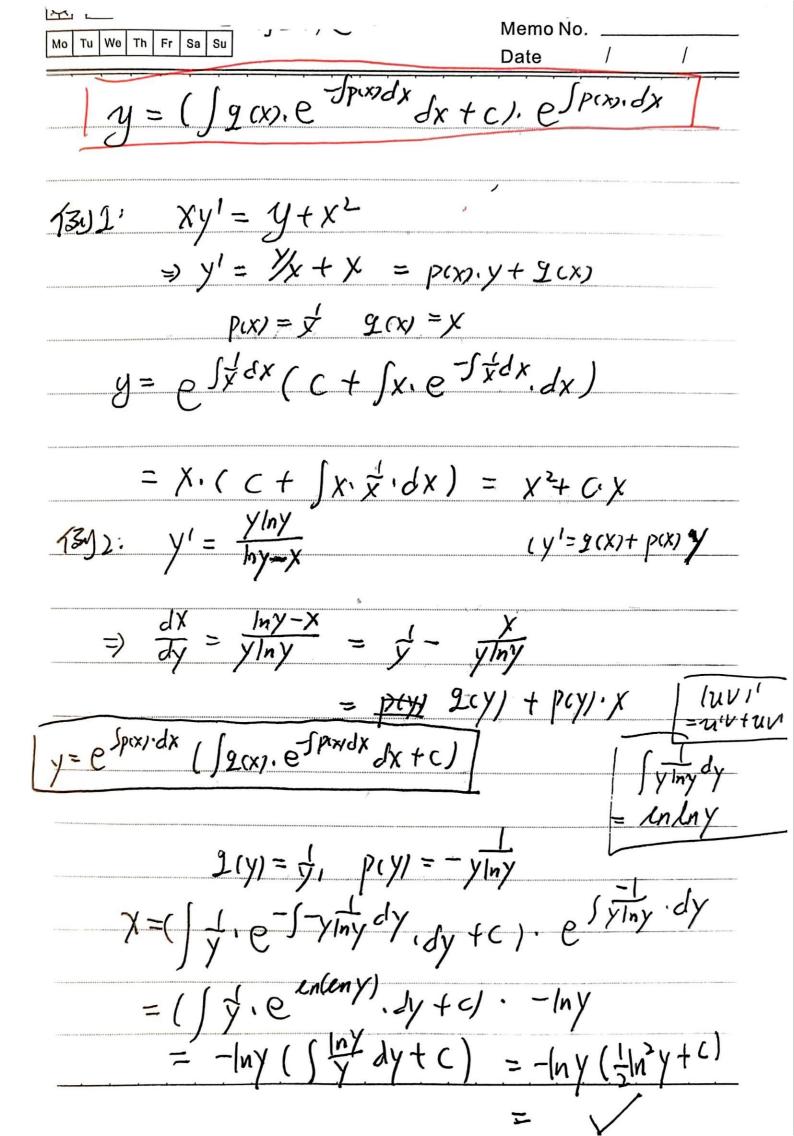
wiemo no			
Mo Tu We Th Fr Sa Su	Date	1	
④一阶线~独微节前程			
$y' \qquad \frac{\partial y}{\partial x} = p(x) \cdot y - \frac{\partial y}{\partial x} = $	+ 2(X)		
$0 \ 2(x) = 0 \qquad \frac{dy}{dx} = p(x), 1$	<i>f</i> — -	- 198 2	了艾维格
$\int_{V}^{1} c(y) = \int_{V}^{1} cxy dx$			
$lny = \int p(x)dx + C$	y=(·e)	pixid	\boldsymbol{C}
$2 2(x) \neq 0 \left(\frac{dy}{dx} = 2(x) p_0 \right)$	(), y + 9 cx) —	一門外教
$\gamma = c(x) \cdot e^{\int p(x)dx}$?	1	3批)	1
y' = c'(x).e Sp(x/dx + (x).e Sp(xidX	uv = 20	f'=ub+uv'
$\frac{1}{9 \cos \theta} = \frac{1}{2} \cos \theta = $			+9(x)
L clccx) Jd	$C(x) = \int_{0}^{x}$	g (x) e	-Sp(x)dx +
$y = (\int g(x) \cdot e^{-\int p(x)dx})$	Jack) 6-2	Spcv.	dx
C	(cx)		



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⑤ 俊	見細の発			
	noulli			
$\frac{dy}{dx} =$	pox y + 2 cx)	yd		
D d=0	=) 排各次	线性行敌多声的	鲑	
∠=2	青点	f		
=> /y-a	$\frac{dy}{dx} = p(x) y$	1-d +2 cx)		
(1-01)-dy1-00	= c1-aly - dyld	$\frac{dy}{dx}$ $p(x)\cdot y^{1-\alpha} + 9\alpha$	<i>)</i>	Z = Y1-0
) [7	d dy			
j-	$\frac{1}{d} \cdot \frac{dz}{dx} =$	p(x), 2+ g(x)		
	=) d \(\frac{1}{2} \)	(1-4) p(x) } +	(1-d)	1. g(x/
		r(x/	Q	. CX/

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Example:

$$x \cdot y' = 4y + x^{2}y^{2}$$

$$y' = 4 \frac{y}{x} + xy^{2}$$

$$= (4x^{2} \cdot y + x \cdot y)^{2}$$

$$= 2x^{2} \cdot y + x \cdot y^{2}$$

$$= 2x^{2} \cdot y + x \cdot y + x \cdot y^{2}$$

$$= 2x^{2} \cdot y + x \cdot y + x$$

$$\frac{d^{\frac{1}{2}}}{dx} = \frac{1}{(1-\frac{1}{2})} \cdot \frac{1}{2} \cdot 4 \cdot \frac{1}{x} \stackrel{!}{\geq} + \frac{1}{2} \cdot x$$

$$= (2 \cancel{x}) + (\cancel{x})$$

$$(\cancel{x})$$

$$= e^{\sum x^{2}} dx \cdot (c + \sum x^{2}) dx$$

$$= e^{\sum \ln x} \cdot (c + \sum x^{2}) dx$$

$$= x^{2} \cdot (c + \sum \ln |x|) dx$$

$$= x^{2} \cdot (c + \sum \ln |x|) dx$$

$$y = x^{4} \cdot (c + \sum \ln |x|) dx$$

$$y = x^{4} \cdot (c + \sum \ln |x|)^{2}$$