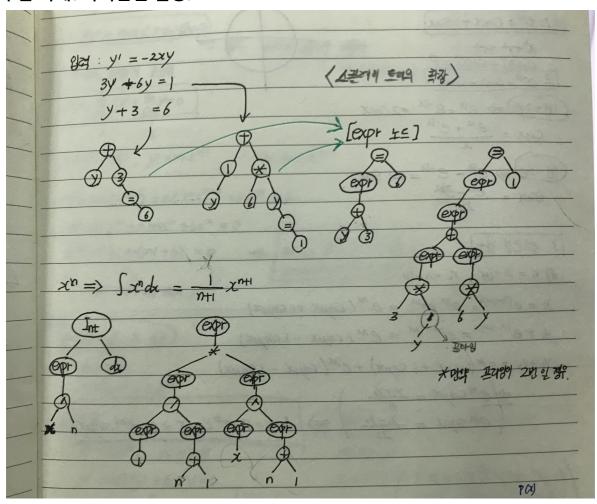


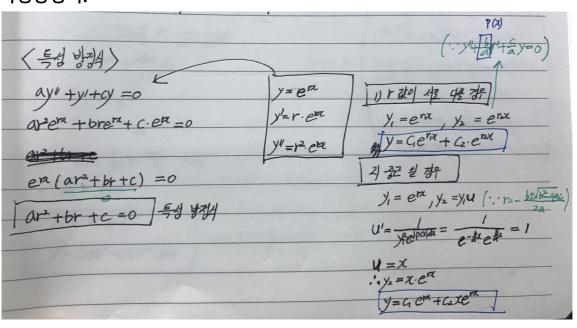
날 짜: 2018.5.22

강사 – Innova Lee(이상훈) gcccompil3r@gmail.com 학생 – 정한별 hanbulkr@gmail.com

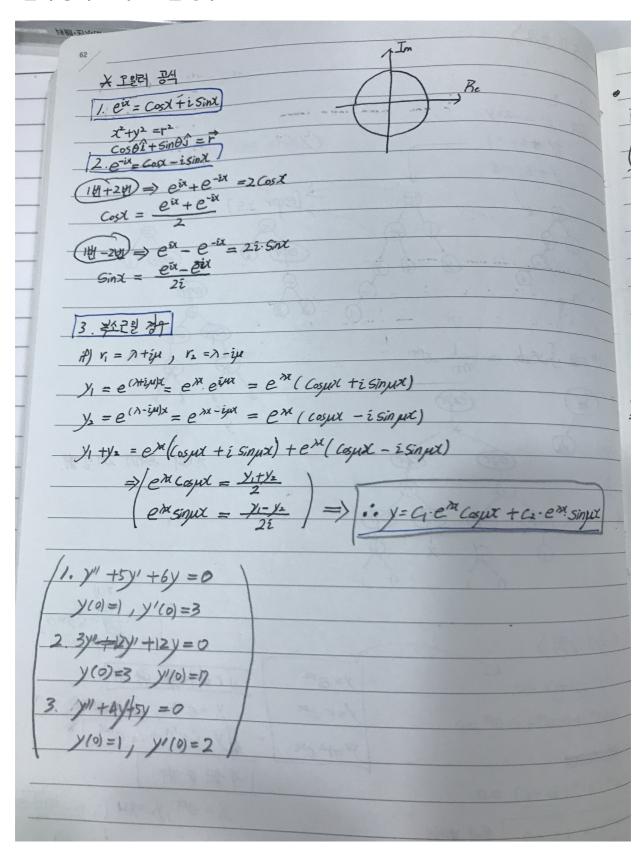
주말 숙제: 다시한번 설명.



## 특성방정식.



## 오일러 공식 & 복소근일 경우



## cauchy - Euler(오일러 ) 방정식

Cauchy - Euler 1874.  Taity" + axy + aoy = 0	स्थान वार्ष्य प्रस्ति । यह स्थान
	till the light.
网络路里 空作用 里發.	中草塔的外在十. 府墨中山 Site等
xy+ axy+ a=0	
ty ta	(ODE)
y=xm(水), y=mxm, y"=1	$m(m+1) \times m-2$
y=x**(1/8), y	MO A
x(m(m+)xm-i) +ax mxm+ +6xm	=0
y''' + amx''' + bx''' = 0	
$\chi^m(m^2+(a-1)m+b)=0 \implies$	$m = -\frac{(a-1) \pm \sqrt{(a-1)^2 - 4b}}{a}$
2m(m+(to 0))	2
त्रम् १ थेव ६८ ४०५.	Topo was week
Sh. 4204.2	Annua (d
1) 43 年 年 经	Miss may a miss
m='m <sub>1</sub> m <sub>2</sub>	(x) == (x-x)(x)+(y)-(y)-(x)x+(x)
$y = C_1 x^{m_1} + C_2 x^{m_2}$	The Cond was to The word was
	a Vez
② 37)	(3) 71
$y_i = C_i X^m$ , $y_2 = y_i M$	m=>±in
$y'' + ax^{4}y' + bx^{2}y = 0$	$y_1 = x^{\lambda} \cdot x^{i\mu} = x^{\lambda} \cdot e^{i\mu \cdot kx}$
1 1	= x à { (as (ulnx) + i sin(u
W'= Y2 e Specific = x201 calix	: y= C1 x2 cos (4. lnx) + c2 x2. 5m (4. l
$\int u' = \int x^{-2m} e^{-alnx} dx$	y= c/2 cos y 2 2 2
X-A	AC = AC = AC
$= \int_{\mathcal{X}^{-2m}} x^{-\alpha}$	SE MAN AND SE MAN AND
= fx-m-adx	Service and the service and th
$\int_{\mathcal{X}^{-2m}} a dx = \int_{\mathcal{X}^{\frac{n}{2}}} \frac{a-1}{2} - a dx$	KISHOL LAND
	8 56 5
$\int x^{-1} dx = ln x$	
· · /2 = Xm /0X	
/2 = XmlnX	ST 85+ AL
$Y = C_1 \mathbf{x}^m + C_2 \mathbf{x}^m \cdot \ln x$	C. P. B.C. 1 - 52

## 특정해

