TITLE 1.1 Algebraic Properties	DATE 2	123.2.3	
Identites and Inverses	Multiplicative Idontita (IMINI THE) ELERI		
	Multiplicative Identites (곱셈에 대한 항등원)		
- Identites (항景智)	$a \cdot e = a \rightarrow (a \cdot e) \cdot a^{-1} = a \cdot a^{-1}$		
어떤 값(a)과 연산(D)가 왔을 때, 이 값에 연산을 진행한			
결과가 원째의 값과 동일하게 만드는 값	$\rightarrow$ (e-a) · a-1 = 1 by commutativity		
	-> e-(a-a-1) = 1 by associativity		
$a \square e = a$	—> e=1		
①:et Dail 대き identityouth.	le gool ael multiplicative (dentites		
— Inverses (吗%)	ex.1) 2·1=2 12 20 1		
े जिल ३६(a)ो छोट (D)ो छोट ला, ठा देला छोट रोगुरो	ex. 2) -2 1=-2 12 -201 > multiplicative identity		
型과 identity가 되게 있는 값	EX.3) TO 1 = T 1 = T 1		
*			
α D x = e	Multiplicative Inverse (Zyon was 99)		
D: X' DOIL ON! Inverse			
	$a \cdot x = e \longrightarrow a \cdot x = 1$ by multiplicative identity		
Additive Identites (덧셈에 대한 항통원)	$\longrightarrow (\alpha \cdot \varkappa) \cdot \frac{1}{\alpha} = 1 \cdot \frac{1}{\alpha}, \alpha \neq 0$		
्रिमा -a= सर्द्ध	$ \Rightarrow (x-a) \cdot \frac{1}{a} = \frac{1}{a} by Commutativity $		
$a+e=a \rightarrow (a+e)-a \neq a-a$	$\longrightarrow \mathcal{X} \cdot (\alpha \cdot \frac{1}{\alpha}) = \frac{1}{\alpha} \text{ by accoclativity}$		
$\rightarrow$ $(e+a)-a=0$ by Commutativity	$\longrightarrow x = \frac{1}{\Delta}  \text{a.s. a. by the sociation by}$		
$\rightarrow e+(a-a)=0$ by Associativity	ate gas all multiplicative inverse		
$\longrightarrow c = 0$	ME BILL MAIL (PILLATIVE TIME)		
02 Black all additive identity ==	$\alpha(1) 2 x = 1 \longrightarrow x = \frac{1}{2} = 2^{-1}$		
덧셈m Crð 항등된	-> 12 201 multiplicative inverse		
ex.() 2+0=2 0= 2011 = 10=1	$ex.2) -2.x = 1 \rightarrow x = -\frac{1}{2} = (-2)^{-1}$		
ex.2)-2+0=-2 02-2011 CUZE additive identity	$\rightarrow -\frac{1}{2}\hat{\epsilon}$ -201 multiplicative inverse		
EX.3) IT 10=IT OF IT OIL OIL			
	ex.3) ガ·x =	$l \longrightarrow \chi = \frac{l}{\pi}$	
Additive Inverse (GABOIL CURE 1971)	→ \frac{1}{\pi} \text{THE multiplicative inverse}		
Obmile Dade to	* invarseを Zamaial ときなる。という		
0 + x = 0  by additive identity	O·l=の学のEinverse主 기和 別台		
22171 Identity it 4202 (nuerse.	inverselt हैत्राभाग क्षेट्र और हैत्राभाग		
$\rightarrow$ $(a+x)-a=0-a^{3+}$			
$\longrightarrow (X+\alpha)-\alpha = -\alpha \text{ by commutationty}$	Additive/Multiplicative Identities/Image		
$\rightarrow$ x +(a-a) = -a by associationty	> served \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		
> X=-a		ldentity	Inverce
- UF Slow and Engl additive inverse	Addit7on	0	- a
	Multiplication	1	(a) the mild a≠0
ex.1) 2+x =-2 -2= 201	, 1	•	n d d d d d d d d d d d d d d d d d d d
(2x.1) 2+x=2 $(2x.2) -2+x=2$ $(2x.2) -2+x=2$ $(2x.2) -2+x=2$ $(2x.2) -2+x=2$	닷데ai Cabaki identry 값은 O, inverse 값은 - a		
ex.3) π+x=-π πε πα	If all or did it is inverse the in the ar		

DATE

TITLE

THE PARTY OF THE P	D.A. WIE
TITLE	DATE