TITLE 1.1 Algebraic Properties	DATE 2	023.2.3	
Identites and Inverses	Multiplicative Identites (哥相叫 대한 항등원		
- Identites (항통원)	,		
어떤 값 (a)과 연산(D)가 있을 때, 이 값에 연산을 진행한	$a \cdot e = a \rightarrow (a \cdot e) \cdot a^{-1} = a \cdot a^{-1}$		
결과가 원교의 값과 동일하게 만드는 값	$\longrightarrow (e \cdot a) \cdot a^{-1} = 1 \text{ by commutativity}$		
2.1. 10 (92-11) 2-11 (2-2)			
a <u>ne</u> = A	→ e·(a·a-1) = 1 by accociativity → e = 1		
Diet Dal 대色 identityout.	le glove all multiplicative (dentites		
THE BOTT LIFE TOWNTHY STOTE.	15 8421	0,2000	philosophic (dionitities)
— Inverses (영원)	O(1) 2.1	- 9 10	201
	CX.() 2.(= 2 (2	JUI bout a la cota de de
जिल्ला अर्था अर्य	ex. 2) -2.	(=-ス (은	-201) multiplicative ide
型과 identity가 되게 만드는 값	EX.3) TT · (= 17 6	ন ু
$A \cap X = C$,	(5)
	Multiplicative Inverse (Ryon that 92)		
D:X는 Doil Ot計 Inverse			
	$a \cdot x = e$	$\rightarrow a \cdot x$	= (by multiplicative identi
Additive Identites (덧셈에 대한 항공원)			$(a) \cdot \frac{1}{a} = 1 \cdot \frac{1}{a}, a \neq 0$
ुष्टा न्वर्ट संस	\rightarrow $(x-a) \cdot \frac{1}{a} = \frac{1}{a}$ by Commutativity		
$a + e = a \rightarrow (a + e) - a \neq a - a$	$\longrightarrow x \cdot (a \cdot \frac{1}{a}) = \frac{1}{a}$ by accociationly		
$\longrightarrow (e+a)-a=0$ by Commutativity	ン x = do do a		
\rightarrow ef(a-a) = 0 by Association	ate glad all multiplicative inverse		
<i>→ e</i> = 0			
02 gloses additive identity ==	ex.() 2 x=	1 -> Y=	1 = 2-1
সূপান এট গ্ৰহ	-> 12 201 multiplicative inverse		
7, 10 Bb2		. 20	221 11111(11100111 1111012
ex.[) 2+0=2 0 & 20+1 = 131.	$ex.2) -2.x = 1 \rightarrow x = -\frac{1}{2} = (-2)^{-1}$		
ex.2)-2+0=-2 02-2011 CH2/ additive identity	$\longrightarrow -\frac{1}{2}e^{-1/2}$ multiplicative inverse		
		. 2	e x-1 marriprearies moss
EX.3) ITTO=IT OF ITOIL CARE!	e(2) ==	1 - 3/1	
11/2 212 12 22 (210)	$(2.3) \pi \cdot x = 1 \longrightarrow x = \frac{1}{\pi}$ $ \rightarrow \frac{1}{\pi} \in \pi = \text{multiplicative inverse} $		
Additive Inverse (GHan Cut 1971)		•	
$0+x=Q \longrightarrow 0+x=0 \text{ by additive identity}$		E Zanáhal 8	4
			Were ? SAIS SAIS SE
32474 Identity if 4208 (nuerse.	inverse	भ हेत्राक्षर	않는 값도 출제한다.
\rightarrow $(a+x) - a=0-a$			
\longrightarrow $(X+\alpha)-\alpha=-\alpha$ by commutativity	Additive/Multin	olicative Iden	tīties/Inverses
$\longrightarrow X + (A-A) = -A$ by associationty			
> X=-a		ldentity	Inverce
一日台 glogal and ture additive inverse	Addition	0	-a
	Multiplication	1	(1 a) 단 ฅ)M a≠0
ex.1) 2+x =-2 -2= 20		ı	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
(2x.1) 2+x=-2 -2= 2= 2= 2= 2= 2= 2= 2= 2= 2= 2= 2= 2= 2	GMON DHANK-1 TO	lentity ZE 0, in	verse よを -a
PT 3T TC = x+TT (6.X9	단데이 Otalk identity 값은 O, inverse 값은 -a 라데이 Otalk identity 값은 I, inverse 값은 급 또는 a-		
C/1-7 0C 1 / O	Ban Store C	ا عنون ۱۲ ۱۰۰۰۰	LING SE A SE V

DATE

TITLE

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