: rectargular array of numbers

· Lineau Equations

· ax + bg = C. -> 24 3 EAIOIA 2AO3 EA.

· az+bg+Cz=d -> ryz-(oadinata. 5003 5%)

· at + astat ... + anta=b) -> in x, - xa - Condinates, plane

o dated homogeneous - "sat" "alat"

T.C. X+8y=7 : linear X+3y=0 : non-linear

82+24-24=0: non-linear sin~, J~: non-linear

· System of linear appartions (linear System)

PLAF (unknowns)

gareral form of linear system.

: n equations in the n unknowns

4 a, z, +a, 2 x + ... + a, ~ x = b,

anx, tage 22+ -- + anx n = b2.

an, I, + and I2+ - + and In = ban

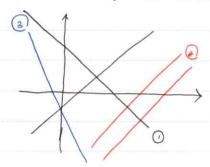
Solution sequence of.

X1=S,, 8=So, ... Xn=Sn. ___ "tuple"

< > (S,, Sa, ... Sn).

"Ordered among"

· Liveur Systems in two or three curlenous.



1) One unique solution.

(consistant)

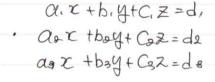
2 No solution

(Incousictant)

3 Infinitely wany salutions.

(Consistant)

* Consistant (일과한다). → #를 보는 경우이 서울.
Inconsistant (일외환다). → 첫지 못하는 경우이 서울.



*figure 1.1.2, page 4, book.

8×10/4 7/0/6.

1 One salution.

(Rot) ----

@ No Salution.

3 Infinitely away solutions

There is no other possibilities.

→ one salution

· exs. page 5.

→ no solution.

·ex4

42-29= 162-89=4

> infinitely many solutions.

	42
NO.	# 3

DATE.

er5,	page	6.	χ-	9-22	=5.

* Using payams

y=s, 2=t. then soldion= (s-2++s, s, +).

3x-3y+62=15

· Augmented Matrices and

* Augmentation: 37.33

Elementary Pour Operation.

(page 6, book)

. किया अस्मिन्ड अंद्र अवः

5

an an an bi

" में अपन में भी ।"

"Solving in systematic may"

aus aux -- aur bar

L aus aus -- aun ba.

Elavatans row

1) a constant multiple

@ Tuter Change

3) add a Constant Lives equation to another

· ex6, Page 7.