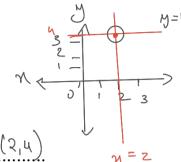
Aptitude Assignment 1



- 2. Equations 2X+3Y=9 & 7X+9Y=-6 have how many solutions? one solutions? (-33, 25)
- 3. Equation 7x+9y=-5 has how many keys? one

4. Equation $ax^2+bx+c=0$ will be s..... for a=b=c=0.

5. Income of A & B is in ratio 2:3. For example, if B's income is Rs 3000, find out the ratio of their expenditures if their savings are Rs 500 & Rs 700, respectively. (15:23)

0.2) Sol	2x + 3y = 9 + 0 $7x + 9y = -6 + 0$
,	
	① × 3 (2) × -2
	6n+9y=27 -14n-18y=12
	<u>()</u> † (2)
	-8 n -9 y = 39
	on 8n+9y=-39
	Now, we Have
	<u>8 n + 9 y = - 3 9 - (3)</u>
	$\frac{7\pi+9y=-6}{}$
	· N = -33
	2 x (-33) + 3y = 9
	y = 25
	10, n=-33, y=25 (-33,25), one 1 unique solution.
Q.3 Ans)	7 x + 9 y = -5 ON y= (-7/g)x -5/g
	0 0 0
	for any given value of n. we can compute corresponding value of y that satisfies the equation. i., there is enably I solved of equation 7n+9y=-s, where n by one steal numbers.
	of y that satisfies the equation, there is exactly 1 solo
	J. (J.)
0.5. 5010)	A:B = 2:3
. /	$A = 2 \chi$ $B = 3 \chi$
	B's income = 3000
	so 3 n= 3000
	N = 1000
	i. A'S income is 2x = Rs 2000
	let enpenditure of A be E, &B is Ez
	: A's sowing = soo B

i. A's enjuditure (on be upsected by

A(E1) =
$$3x - 500 = 250$$

i. B's Samings = $700 = 250$

So notion of enjuditure

Enitz = $1500 = 250$

= $1500 = 250$

= $1500 = 250$