Aptitude Assignment 1

1. The equations of the lines x=2 & y=4 meet at the point

Solution:

The equations of the lines x=2 & y=4 is both vertical and horizontal lines, respectively. These lines intersect at a single point, which is the **point (2, 4)**.

2. Equations 2X+3Y=9 & 7X+9Y=-6 have how many solutions?

Solution: x = -33 and y = 25

02	-> ea 8:5 = 5 A
C.	2x + 34 = 9 - eq 0.
	2x + 3y = 9 - eq (5) /A. 7x + 9y = -6 - eq (2) / 8
10000	77.114 = SA
	equ meeltiply by (-3) and add with equ
	-6x -90 =8-27. 0008 = 88
	(7) 7× + 94 = -6
	7 +0 =-33015 =81A (-35)
	". NC=33 A appear to senson!
	add a value insoeq D. some &
	2(-33) + 39 = 19 1 AS = 91A
	-G6 + 3 4 = 9
	: 390 = 29 + 66 2000 AT & 1
	34 = 751000 = 105 0004
	10ps - 4- 275000 =x
201	His real to expenditure of the expenditure
	9 A F 70

3. Equation 7x+9y=-5 has how many keys?

Solution: NA

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

Solution: zero(0) [LHS = RHS]

- /
* of A = 27 = 2(1000) = 2000
- anti-to-by + c=0 to entitions
For - 0 = 0 = C = 0
(0) 22 + (0) 2e + 0=0
24
Answer will be = 0 (zero)
ditore of B stroome of B - South
005 - 0008 =

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.

Solution : 15:23

u.c.o	. 10.10
0	5-) A:B= 2:38== 10+10
•	Income of person A as 2x
	4 Income of person 18 as 32
	A:B= 2x:32 = p8 + (30-)
	0 7 48 + 28 -
	: Bincome dis Rs 3000
	then 32= 3000 1
	22 1000 - eqG
	2
	using eq 10 value put into expenditures
	OF A & B
	Income of A = 2x = 2(1000) = 2000
	4 Expenditure of A = Income of A - scaring of A
	2 2000 - 500
	0=0 = (1500 RSC(1)
	Same As
	Income of B= 3x= 3(1000) = 3000
	Inpenditure of B = Income of B - Saving B.
	= 3000 - 700
	= 2300
	So Expenditure of A: Expenditure of B
	So Expenditure of IT. I'm
	as onpect 1500! 2800 — (2)
	eq 3 divide by 100
	The restion of Expenditure is [15:23]