

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

Ans: (2,4)

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

solution:

Here $(2/7) \neq (3/9)$ [$a_1/a_2 \neq b_1/b_2$]

so The linear system of equations $2X+3Y=9$ & $7X+9Y=-6$ has only one solution.

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

Ans: infinite number of keys.

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

Ans: complete equation

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:

$$A/B=2/3$$

$$A/3000=2/3$$

$$A=2000$$

Income of A is 2000.

$$\text{Expenditure of A} = 2000 - 500 = 1500$$

$$\text{Expenditure of B} = 3000 - 700 = 2300$$

ratio of their expenditures= $1500/2300=15/23$