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

The line with the equation x = 2 is a line passing through the point (2, 0) and the line with the equation y = 4 is a horizontal line passing through the point (0, 4).

The point where they intersect is the point that satisfies both equations

x = 2

y = 4

Therefore, the point of intersection is (2, 4).

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

a1/a2=2/7

b1/b2=3/9=1/3

c1/c2=9/-6=-3/2

Since, a1/a2 is not equal to b1/b2, Therefore this equation has a single solution.

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

This equation will become a trivial equation for a=b=c=0.

Since every value of x satisfies this equation, it has infinitely many solutions.

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.

A/B=2/3-------Given

Person A's income is = (2/3)*3000 = Rs 2000.

We are given that A's savings are Rs 500 and B's savings are Rs 700.

Let's assume the expenditure of person A is y, and the expenditure of person B is z.

y = 2000 - 500 = 1500

z = 3000 - 700 = 2300

Therefore, the ratio of their expenditures is 1500:2300 = 15:23.