

Name - \_\_\_\_\_

Start time - \_\_\_ : \_\_\_

End time - \_\_\_ : \_\_\_

**Solve the following.**

1. Draw the graph of the equation  $x - 2y = 0$ .
2. Find the value of  $p$  if  $(-1, 1)$  is a solution of the equation  $px + 8y = 5$ .
3. Verify that  $x = 2, y = -1$ , is a solution of the linear equation  $7x + 3y = 11$ .
4. Write the solution of  $4x - 3y = 0$ .
5. The taxi fare in a city is as follows:  
For the first kilometre, the fare is 18 and for the subsequent distance it is 9 per km. Taking the distance covered as  $x$  km and total fare as Rs  $y$ , write a linear equation for this information, and draw its graph.
6. What are the coefficients of the equation  $2x - 5y = 23$  ?
7. What is the constant of the equation  $2x - 5y = 23$  ?
8. Is  $x = 4$  and  $y = 3$  a solution of the equation  $2x - 5y = 23$  ?
9. What are the coefficients of the equation  $7x + 6y = 15$  ?
10. What is the constant of the equation  $7x + 6y = 15$  ?
11. Is  $x = 3$  and  $y = 10$  a solution of the equation  $7x + 6y = 15$  ?
12. Is  $x = 1$  and  $y = 0$  a solution of the system

$$x + y = 1, 2x + 3y = 3$$

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