

## Class 9 Maths Chapter 4 Linear Equations in Two Variables MCQs - Practice Questions

1. Determine the value of  $k$ , if  $x = 2$  and  $y = 1$  is a solution of the equation  $2x + 3y = k$ .

- (a) 4
- (b) 5
- (c) 6
- (d) 7

2. Which of the following is the true for the equation,  $y = 3x + 5$ , and why?

- (a) Unique solutions
- (b) Only two solutions
- (c) No solution
- (d) Infinitely many solutions

3. The cost of the notebook is twice the cost of a pen. Express this statement in the form of linear equation in two variables. [Hint: Let the cost of notebook be “ $x$ ” and the cost of pen be “ $y$ ”]

- (a)  $x + 2y = 0$
- (b)  $x - 2y = 0$
- (c)  $x + 3y = 0$
- (d)  $x - 3y = 0$

4. Which of the following solution satisfy the equation  $x - 2y = 4$

- (i) (0, 2) (ii) (2, 0) (iii) (4, 0) (iv)  $\sqrt{2}$ ,  $4\sqrt{2}$  (v) (1, 1)
- (a) (i), (iv)
  - (b) (ii)
  - (c) (iii)
  - (d) (ii), (iii)

5. The graph of every linear equation in two variables is \_\_\_\_\_ line.

- (a) A straight line
- (b) Not a Straight line
- (c) A curve
- (d) None of these

6. Solve the equation  $2x + 1 = x - 3$ , and find the value of  $x$ .

- (a) 3
- (b) -3
- (c) 4

(d) -4

**7. Which of the following is the equation of x-axis?**

- (a)  $x = 0$
- (b)  $y = 0$
- (c)  $x \neq 0$
- (d)  $y \neq 0$

**8. Which of the following is the equation of y-axis?**

- (a)  $x = 0$
- (b)  $y = 0$
- (c)  $x \neq 0$
- (d)  $y \neq 0$

**9. The graph of \_\_\_\_\_ is a straight line parallel to the x-axis.**

- (a)  $x = a$
- (b)  $y = a$
- (c)  $x \neq a$
- (d)  $y \neq a$

**10. The equation of the type  $y = mx$ , represent a line that passes through \_\_\_\_\_.**

- (a) x -axis
- (b) y - axis
- (c) Origin
- (d) None of the above

\*\*\*\*\* ANSWER KEY \*\*\*\*\*

1 - (d)	2 - (d)	3 - (b)	4 - (c)	5 - (a)
6 - (d)	7 - (b)	8 - (a)	9 - (b)	10 - (c)