

**REVISION PRACTICE ASSIGNMENT (RPA)****SUBJECT-MATHEMATICS****SESSION-2020-21****CLASS-IX****TOPIC: LINEAR EQUATIONS IN TWO VARIABLES****SECTION: A****I Choose the correct option :-****1x5=5**

- The value of a, so that $x = 1$ and $y = 1$ is a solution of $9ax + 12ay = 63$, is:
(a) 1 (b) 3
(c) 2 (d) 4
- A straight line passes through (3, 1) is:
(a) $2x - y = 5$ (b) $2x + y = 10$
(c) $x + y = 8$ (d) $x + 2y = 8$
- (3, 1) is a solution of the linear equation:
(a) $2x + y = 5$ (b) $x + y = 4$
(c) $x + y = 3$ (d) $2x + y = 7$
- Linear equation $6x - y = 14$ have a solution:
(a) (2, -2) (b) (2, 1)
(c) (2, 3) (d) (2, 0)
- Straight lines represented by linear equations $x - y = 0$ and $x + y = 0$ intersect at the point:
(a) (1, 0) (b) (0, 3)
(c) (0, 0) (d) (3, 1)

SECTION: B**II Very Short question :-****1x5=5**

- How many linear equations can be satisfied by $x = 2$ and $y = 3$?
- A linear equation in two variables exists in which form?
- How many solutions does a linear equation in two variables have?
- In which quadrant does the positive solution of $ax + by + c = 0$ always lie?
- How many linear equations in x and y can be satisfied by $x = 1$ and $y = 2$?

SECTION: C**III Short question :-****2x3=6**

- The value of K, so that $x = 2$ and $y = 1$ is a solution of $2x + 3y = K$, is?
- Find 5 different solutions of the equation: $2x - 3y = 6$.
- The cost of 5 pencils is equal to the cost of 2 ballpoints. Write a linear equation in two variables to represent this statement.

SECTION: D**IV. Long question :-****4x1=4**

- A taxi charges Rs 20 for the first kilometer and @ Rs 12 per km for subsequent distance covered. Taking the total distance covered as x km and total fare Rs y, write a linear equation depicting the relation between x and y. Draw the graph between x and y. From your graph, find the taxi charges for covering
(a) 12 km
(b) 20 km