## <u>INTERNATIONAL INDIAN SCHOOL</u> <u>BURAIDAH</u> Worksheet For The Academic Year 2023-24 CLASS: <u>IX</u> SUBJECT: <u>Mathematics</u> DATE: <u>12/12/2023</u> <u>LESSON-4 Linear Equations in Two Variables</u>

- 1) Write  $\sqrt{2} = 3y$  as a linear equation in two variables.
- 2) Write 2 = 7x 8y in the general form.
- 3) Write x = 4 as a linear equation in two variables.
- 4) Write -2x + 3y = 6 in the general form of a linear equation in two variables and write the values of a ,b and c.
- 5) The sum of the marbles two men had is 30. Form a linear equation in two variables.
- 6) An equation 3x + 2y = 10 has \_\_\_\_\_\_ solutions.
- 7) Write 3 solutions for the equation x + 2y = 8.
- 8) If (8, 9) is a solution of the equation ax 5y + 13 = 0, find the value of a.
- 9) Find one solution of the equation 2x 5y = 10. Also check if it passes through the origin.
- 10) Draw a graph of the equation x 2y = 6.
- 11) Draw a graph for the equation x 4y = 0. Also check if (16,4) lies on the graph by marking it on the graph.
- 12) Which of the following is a solution of the equation 3x 2y = 9?

a) (3,2) b) (4,1) c) (6,-3) d) (5,3)