



INDIAN SCHOOL DARSAIT
DEPARTMENT OF MATHEMATICS



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| 8. | Draw the graph of linear equation $2x + y = 8$ on Cartesian plane. Write the coordinates of the points where this line intersects x- axis and y-axis. | 3 |
| 9. | Draw the graph of $2x + y = 6$ and $2x - y + 2 = 0$. Shade the region bounded by these lines and x-axis. Find the area of the shaded region. | 3 |
| <u>Section C</u> | | |
| 1. | Solve the equation $3x + 4 = 5x + 8$ and represent the solution on (i) the number line (ii) the Cartesian plane. | 3 |
| 2. | Draw the graph of the equation $3x + 2y = 5$. From the graph find the value of x, when $y = 4$. | 3 |
| 3. | If “the cost of 5 tables exceed the cost of eight chairs by Rs.150”. Write the linear equation in two variables to represent the statement. Also find the cost of one table if cost of one chair is Rs.240 | 4 |
| 4. | Draw the lines $x = 4$, $y = 2$ and $x = y$, on the same graph paper and then identify what type of figure obtained? Also write the point of vertices of this figure formed. | 4 |