



MATHEMATICS

CH-4. Linear Equations In Two Variables

Name: _____

Date: _____

Class: IX Sec: ____

- Solve the equation $2x + 1 = x - 3$, and represent the solution(s) on the
 - number line
 - the Cartesian plane.
- The auto rikshaw fare in a city is charged as Rs 10 for the first kilometre and at Rs 4 per km for subsequent distance covered. Write a linear equation to express the above statement. Draw the graph of linear equation.
- Plot $A(0,3)$, $B(-4,0)$, $C(2,0)$ on the graph paper. Identify the shape of the figure obtained and find its area.
- Draw the graph of equations $2x + 3y = -5$ and $x + y = -1$ in the same graph.
- In which quadrant does a point both of whose coordinates are negative lie?
- Draw a quadrilateral with vertices $(-4,4)$, $(-6,0)$, $(-4,-4)$, $(-2,0)$. Name the type of quadrilateral and find its area.
- Write the equations of a line parallel to x-axis which is at a distance of
 - 3 units above the axis
 - 5 units below the axis
- Find the point which lies on the line $y = -3x$ having abscissa 3.