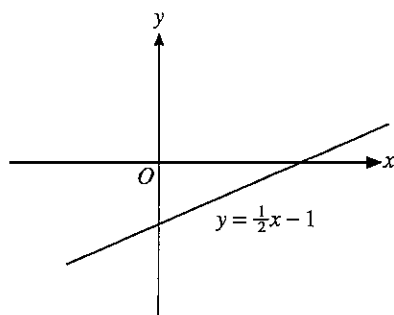


Revision Practice 11



- The vertices of $\triangle ABC$ are $A(2, 3)$, $B(-2, 2)$ and $C(-1, -2)$.
 - Find the lengths of AB , BC and CA .
 - What type of triangle is $\triangle ABC$?
 - Find the area of $\triangle ABC$.
- A point R on the y -axis is such that it is equidistant from two points $A(2, 5)$ and $B(4, -3)$. Find the coordinates of R .
- Two points $A(-5, 4)$ and $B(3, 2)$ are given and joined by a straight line. Find
 - the gradient of the line AB ,
 - the equation of the line AB ,
 - the equation of the line passing through the origin and having the same gradient as AB .
- The line $2x - 5y + 20 = 0$ cuts the x -axis at A and the y -axis at B . Find
 - the coordinates of A and B ,
 - the length of AB .
- The graph of the line $y = \frac{1}{2}x - 1$ is shown in the diagram. Copy the diagram and draw the graphs of $y = \frac{1}{2}x + 1$ and $y = -\frac{1}{2}x - 1$ on it.



- The graph of $y = (3x + 2)(x - 4)$ cuts the x -axis at A and B , and the y -axis at C . Find
 - the coordinates of A , B and C ,
 - the distance AB ,
 - the area of $\triangle ABC$,
 - the equation of the line BC .

