



Fill in the blanks.

01. The solution of simultaneous linear equations lies at the point of _____ of their graph.
02. The graph $y = -5$ is parallel to _____.
03. The line $2y = 2x + 4$ cuts the y-axis at _____.
04. The gradient of the line $y = \frac{-4}{3}x + 5$ is _____.
05. Write the equation representing a straight line parallel to the y – axis. _____.
06. The graph $y = -2$ is parallel to _____.
07. Gradient of the line $3y = 4x - 2$ is _____.

Encircle the correct option.

01. The y-intercept of the line $y = 2x + 5$ is _____.
A) 5 B) 2 C) -5
02. The graph of the equation $y = mx + c$
A) passes through the origin B) is parallel to the x – axis C) cuts the y – axis at the point (0 , c)
03. Identify the point which lies on the line $y = 6$
A) (6, 2) B) (2, 6) C) (-2, 0)
04. The gradient of the line $3x - 3y = 21$ is
A) 7 B) 1 C) 3
05. The equation of the line on which these points lie (5, -1), (5, 0), (5, 1)
A) $x = 5$ B) $y = 5$ C) $x = 1$

Questions

Q no 01) Solve the simultaneous linear equations graphically.

$x + y = 6; x - y = -4$

$x + y = 6$				
X	-1	1	2	3
Y				

$x - y = -4$				
X	-1	1	2	3
Y				

Q no 02) Solve the following simultaneous equations using the graphical method

$5x - 4y = 40; x + 4y = -16$

I. On the axes, draw the graph of $4y - x = 6$

II. Complete the table below:

X	-2	0	2	6
Y				

III. Use your graph to find the value of x when $y = 2.5$

Q no 03) Draw the graphs of the equations on the same set of axes.

I. Copy and complete the following table

$3x - y = 5; x + y = -1$

$3x - y = 5$				
X	-1	1	3	-3
Y				

$x + y = -1$				
X	-1	0	1	3
Y				

II. Draw the graphs of the equations $3x - y = 5$ and $x + y = 1$

III. Write down the coordinates of the point of intersection of two graphs.

Q no 04)

I. On the axes, draw the graph of $y = 2x - 1$

II. Complete the table below:

X	-1	0	2	3
Y				

III. Use your graph to find the value of x when $y = 7$

Q no 05) Draw the graphs of the equations on the same set of axes.

I. Copy and complete the following table

$2x + y = 8; 5x - y = 6$

$2x + y = 8$				
X				
Y				

$5x - y = 6$				
X				
Y				

II. Draw the graphs of the equations $2x + y = 8$ and $5x - y = 6$

III. Write down the coordinates of the point of intersection of two graphs.