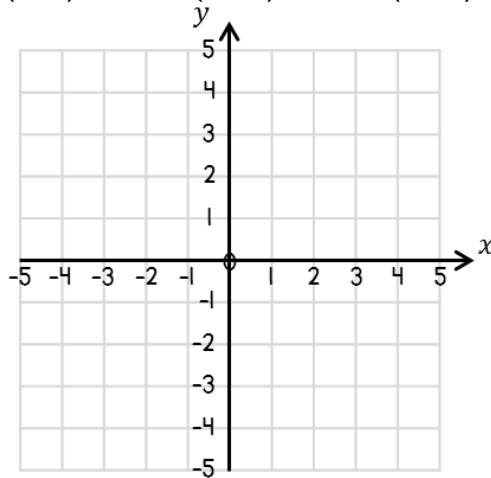


Name \_\_\_\_\_

1 Plot these points on the grid.

A (0, 2)    B (-3, 2)    C (3, -2)



Write down the coordinates of the point that is in the 4th quadrant. \_\_\_\_\_

The coordinate pairs (0, 2) and (-3, 2) lie on the same horizontal line.

Write the equation of the line. \_\_\_\_\_

Draw the line  $x = -1$  on the grid.



2 marks



1 mark



1 mark



1 mark

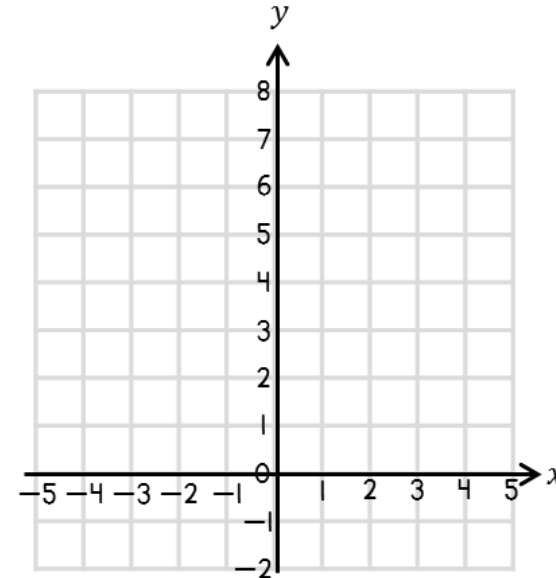
2 Complete the table of values for  $y = 2x + 3$

$x$	-2	-1	0	1	2
$y$		1			7



2 marks

On the grid, draw the graph of  $y = 2x + 3$  for values of  $x$  from -2 to 2



2 marks

3 Which of the following lines is parallel to the  $x$ -axis? Circle your answer.

$y = 7$      $y = 7x + 2$      $y = 7x$      $x = 7$



1 mark

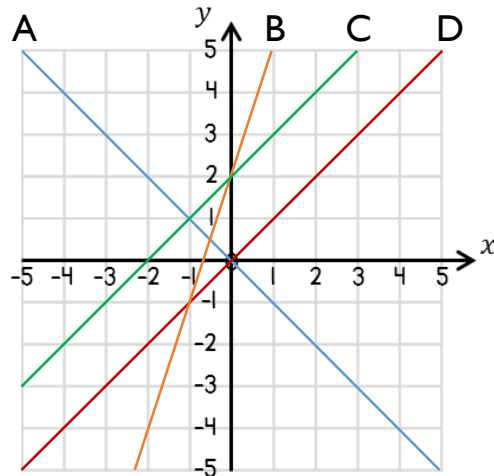
Write the equation of a line that is parallel to the  $y$ -axis.

\_\_\_\_\_



1 mark

4



Match the lines A, B, C and D to the correct equation.

A

B

C

D

Which two of the lines are parallel?

\_\_\_\_\_ and \_\_\_\_\_

Circle the point that does not lie on the line  $y = x$

(4, 4)    (-3, -3)    (7, 7.2)     $(\frac{1}{2}, \frac{1}{2})$

5 Which of the lines is the steepest?  
Circle your answer.

$$y = 2x + 1$$

$$y = -2x + 3$$

$$y = 5 + \frac{1}{2}x$$

$$y = \frac{1}{2} + 4x$$



1 mark

H Write down the equation of a straight line that has a gradient of 12

\_\_\_\_\_



1 mark

6 Find the midpoint of the line segment joining

H (3, 2) and (6, 10)

\_\_\_\_\_



2 marks

7 Which of the graphs are non-linear?

H Circle your answers.

$$y = \frac{x}{2} + 4$$

$$y = x^2 + 4$$

$$10x = 5 - y$$

$$4x^3 - 2 = y$$

$$y + x = 25$$



2 marks



1 mark

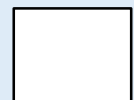


1 mark



1 mark

Total marks



A