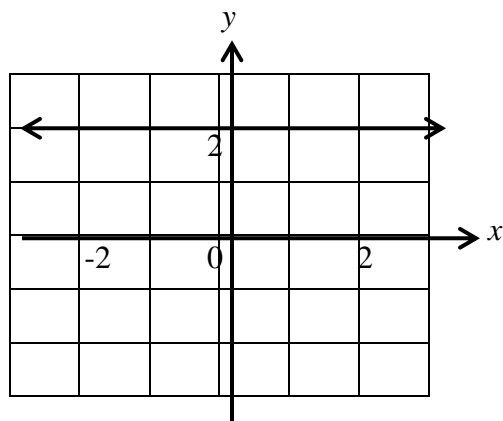# Year 9 Mathematics Worksheet 6

Write the answers in your Exercise Book.

Functions

1.   A straight line graph is shown below.

(a)   Complete the set of ordered pairs for the line shown.
$\{(-2, \underline{}), (0, \underline{}), (1, \underline{}), (4, \underline{})\}$ **(2 marks)**

(b)   The points $(3, y)$ and $(x, 2)$ lie on this line. What are the values
of x and y ?   **(1 mark)**

(c)   What is the equation of the line?   **(1 mark)**

2.   Complete the following statements using the word or letters in the box
given below.

parallel	x	y

(a)   The graphs of equations of the type $y = a$ are straight lines
_____ to the _____ axis.   **(1 mark)**

(b)   The graphs of equations of the type $x = a$ are straight lines
_____ to the _____ axis.   **(1 mark)**

3.   On a Cartesian plane, draw the graph of $x = -4$ **(2 marks)**