**Linear functions**

Functions of the form**y=mx+c**are called straight line functions. In the equation, **y=mx+c**, m **and** c are constants and have different effects on the graph of the function.

**Domain:** These are the x input values that are substituted into the function.

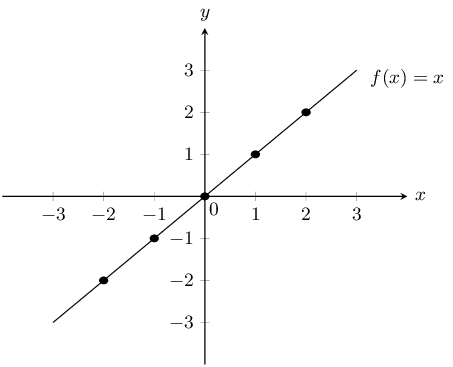
**Range:** These are the y output values that are substituting into the function.

Example 1: Given that

1. Complete the table below:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| x | -2 | -1 | 0 | 1 | 2 |
| y | -2 | -1 | 0 | 1 | 2 |

1. Join the points on the Cartesian points.



1. Determine the **domain** and the **range** of the function.

Domain: X or XIR

Range: y or y IR

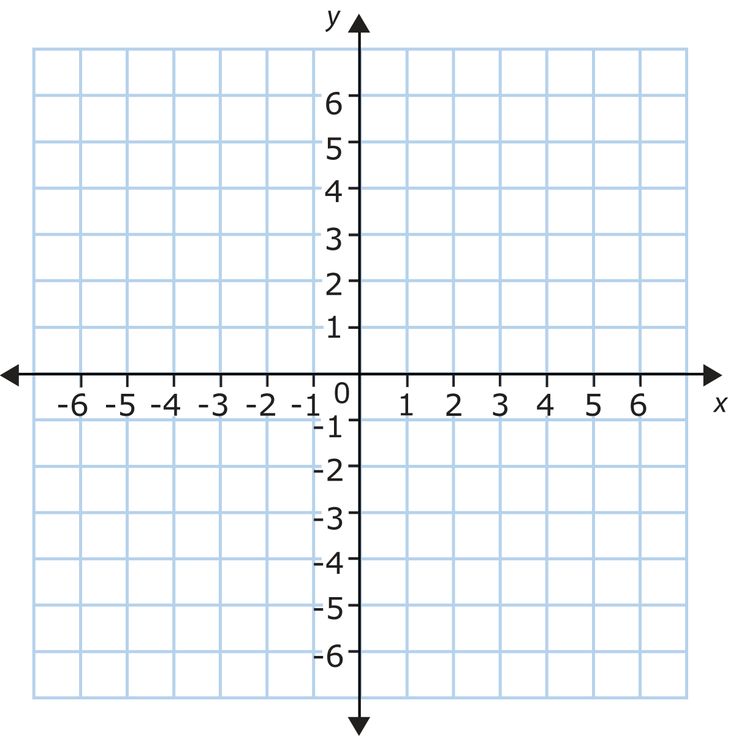
EXERCISE 2

Given that

1. Complete the table below:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| x | -2 | -1 | 0 | 1 | 2 |
| y |  |  |  |  |  |

1. Join the points on the Cartesian Plane.



1. Write down the **domain** and **range** of the function.