

Coordinate

Examples & Non-Examples

Example	Example	Non-Example
$(3, 2)$	(x, y)	(y, x)

Definition

A **coordinate** refers to a number or set of numbers that identify the position of a point on a graph or coordinate plane.

More specifically:

- In **two dimensions**, a coordinate is written as an **ordered pair**: (x, y)
- x is the horizontal position (left or right, along the x -axis).
- y is the vertical position (up or down, along the y -axis).

Example:

The point $(3, -2)$ means:

- Move 3 units to the right on the x -axis.
- Move 2 units down on the y -axis.

So, in summary:

A coordinate is a number or pair of numbers that tell you the exact location of a point on a graph.

