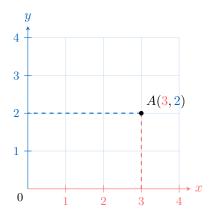
COORDINATE GEOMETRY

A COORDINATE PLANE

Definition Coordinate Plane

A coordinate plane is a grid formed by two number lines that cross at zero. One number line goes left and right (called the x-axis), and the other goes up and down (called the y-axis).

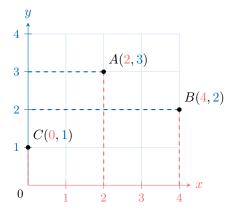
The coordinates of a point are a pair of numbers, like A(2,3). The first number tells you how far to move right, and the second number tells you how far to move up.



Ex: Plot these points on a coordinate plane: A(2,3), B(4,2), and C(0,1).

Answer:

- For A(2,3): Move 2 units right, then 3 units up.
- For B(4,2): Move 4 units right, then 2 units up.
- For C(0,1): Stay at 0 units right, move 1 unit up.



B TABLE OF POINTS

Definition Table of Points

A table of points lists the coordinates of points in a coordinate plane.

- The first row represents the **x-coordinates**.
- The second row represents the **y-coordinates**.

 $\mathbf{E}\mathbf{x}$:

\boldsymbol{x}	1	2	3
y	3	2	4

This table represents the points (1,3), (2,2), and (3,4) on the coordinate plane:

