

Coordinates - Reading a Point



Key idea

A point's position is written (x, y) .

x = how far **across**. y = how far **up or down**. Start from the origin $(0, 0)$.

How to read it

Go **across first**, then up or down.

Example

$(3, 2)$ means 3 right and 2 up.

Common mistake

Order matters: $(2, 5)$ is **not** $(5, 2)$. Always read across first, then up or down.

 = **copy this into your book.** Boxes without a pencil are just to read.

Coordinates - Plotting a Point



Method



1. Start at the origin $(0, 0)$.
2. Move x across — **left** if x is negative.
3. Move y up or down — **down** if y is negative. Mark the point.

Example



To plot $(-2, 3)$: move 2 left, then 3 up.

Common mistake

Left and down are **negative**.
 $(-3, -1)$ is 3 left and 1 down, not right and up.



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