

3.1: The Rectangular Coordinate System

Note Title

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Also called the Cartesian coordinate system,
or the xy -plane

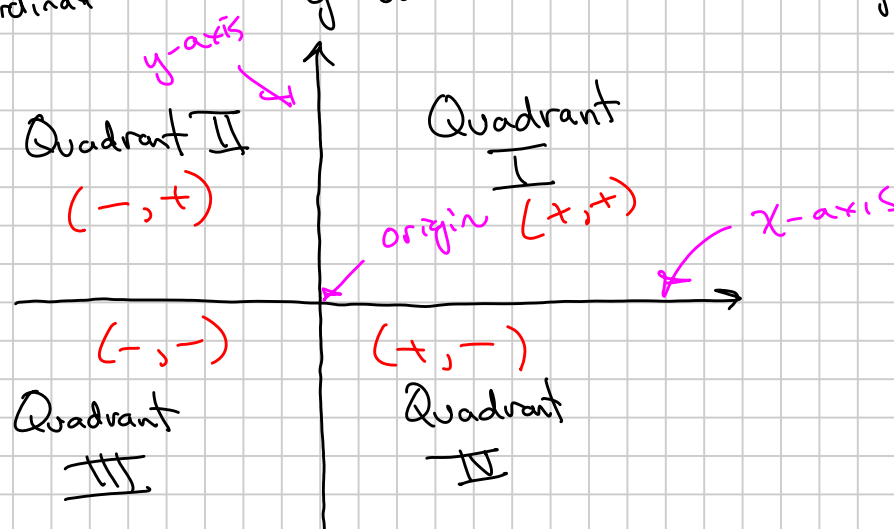
We work with ordered pairs known as points.

(,)

1st-coordinate
 x -coordinate

2nd coordinate
 y -coordinate

Horizontal axis: x -axis
Vertical axis: y -axis
They intersect at the origin



The axes divide the plane into 4 quadrants.

Ex: Graph the following ordered pairs:

- $(2, 8)$
- $(3, -4)$
- $(-1, 6)$
- $(-5, -4)$
- $(0, 5)$
- $(0, -2)$
- $(-3, 0)$
- $(4, 0)$
- $(0, 0)$

