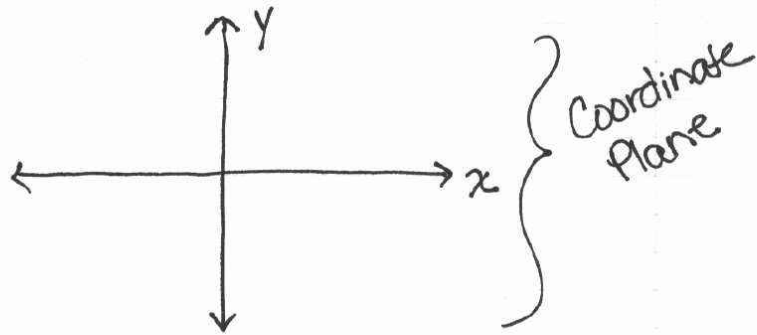
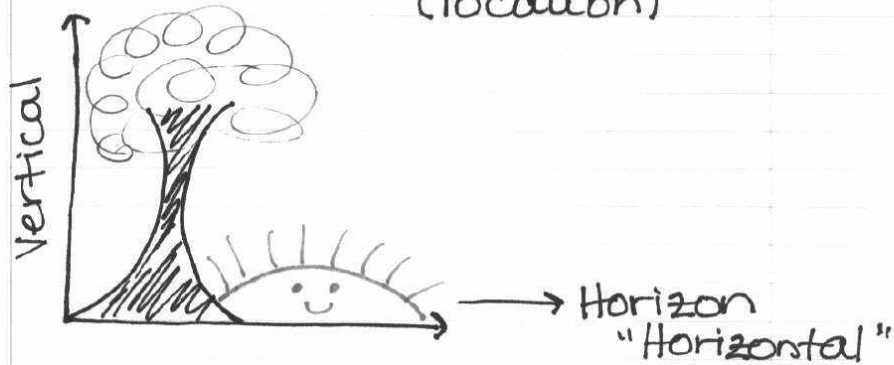


Lesson 5: The Coordinate System Locating Points

In movies - "give me your
coordinates"
(location)



X-axis
Left/Right
Horizontal

Y-axis
Up/Down
(Vertically)

} Movement

What is a pair?

Ordered pair

↳ directions given in a certain order.

(x, y) — ordered pair

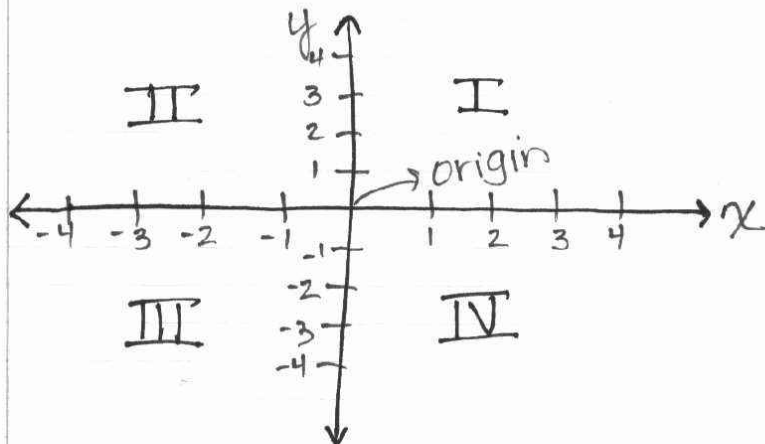
x comes before y in the alphabet
↳ move in x -direction first, then in the y -direction.

"Quad" refers to 4

↳ a coordinate plane separated into quadrants (into fours)

↳ Labeled with Roman Numerals

Start at 1:00 and go counterclockwise



X-direction is the #line we normally use.

Origin \rightarrow starting point
its address is $(0,0)$

If a point falls on either axis, it is not in a quadrant.

* Plot \rightarrow find the point
Graph \rightarrow

* Plot the ordered pairs * \hat{c} What Quadrant

- ① $(-3, 4)$
 - ② $(4, -4)$ * * Label the points *
 - ③ $(0, 2)$
 - ④ $(-3, -3)$
 - ⑤ $(0, 0)$ \rightarrow \hat{c} What is this point called?
-

Which Quadrant or axis is each ordered pair located.

$(2, 3)$ I $(-3, -5)$ III

$(-2, 4)$ II $(4, -2)$ IV

$(0, 5)$ y $(2, 0)$ x