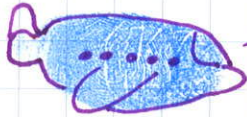
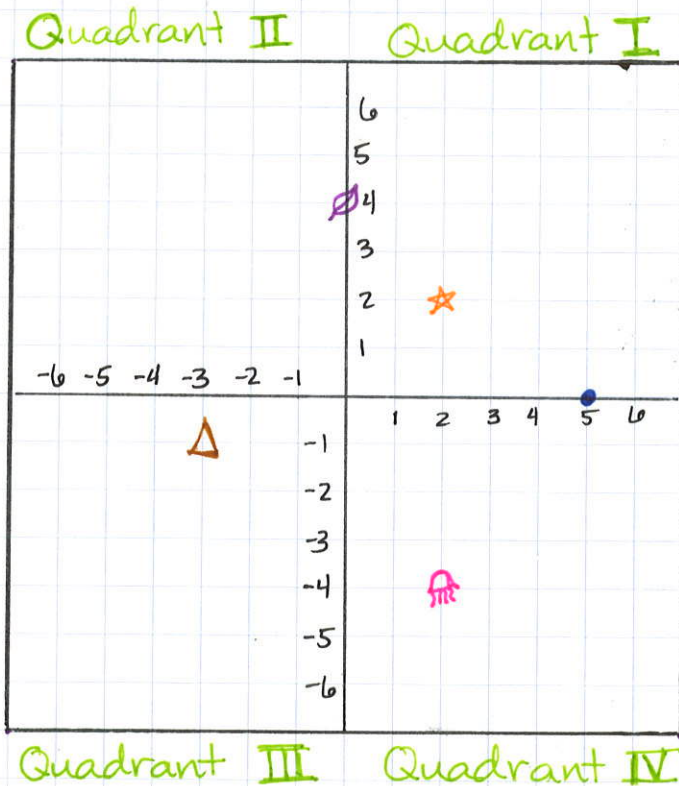


The Coordinate Plane



3
Gross



ordered pair ↻

$$\star = (2, 2)$$

$$\bullet = (5, 0)$$

$$\text{fish} = (2, -4)$$

$$\triangle = (-3, -1)$$

$$\circ = (0, 4)$$

Things to know!

$$(x, y)$$

↓ ↓

(domain, range)

The domain for the relation above:

$$\{2, 5, 2, -3, 0\}$$

The range for the relation above:

$$\{2, 0, -4, -1, 4\}$$

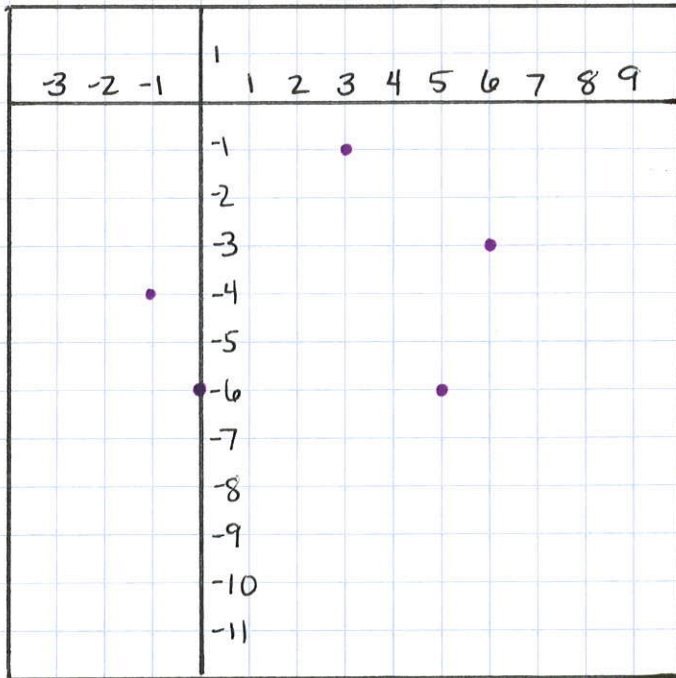
A relation is any set of ordered pairs.

A function is a special relation
where each member of the domain

Back of
pg 3

is paired with EXACTLY one member in the range.

... There can be NO REPEATS in the X value!



Relation
(as a table)

x	y
-1	-4
0	-6
3	-1
5	-6
6	-3

Relation... as a set of ordered pairs:

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

There are no repeats in the x value.

This is a function!