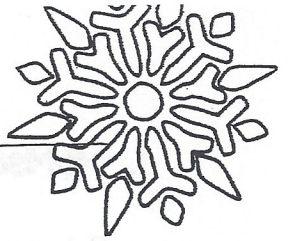


Name: \_\_\_\_\_

Date: \_\_\_\_\_

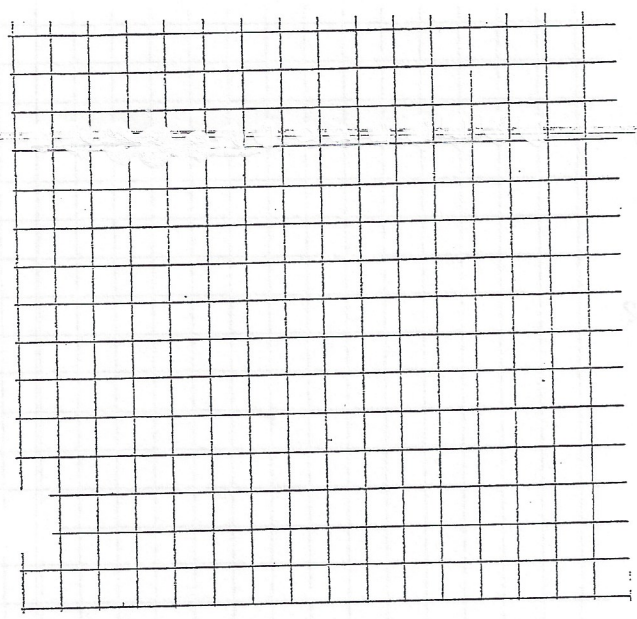


# 3-8 patterns in the coordinate plane

pp. 142-143

## 1. What is a coordinate plane?

Coordinate plane:



Origin:

x axis:

y axis:

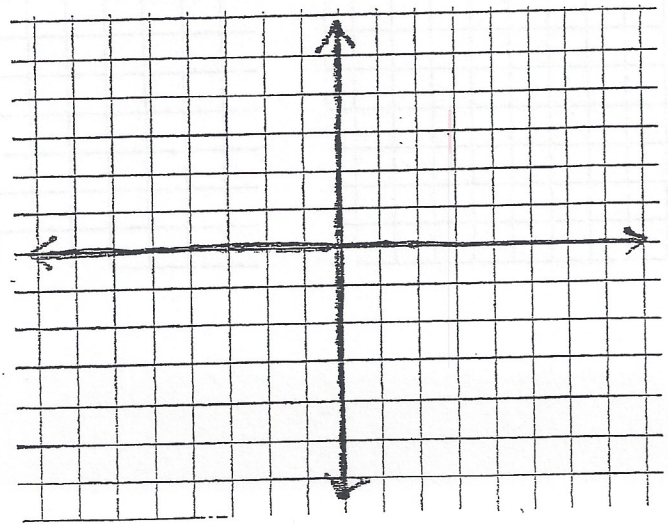
Quadrants:

## 2. plotting points:

ordered pair:

To plot point...

**example:** Plot points A(4,3), B(4, -2), C(-4,2), D(-4,3).



Then find the perimeter and area of the rectangle formed by these points.

### 3. representing data graphically:

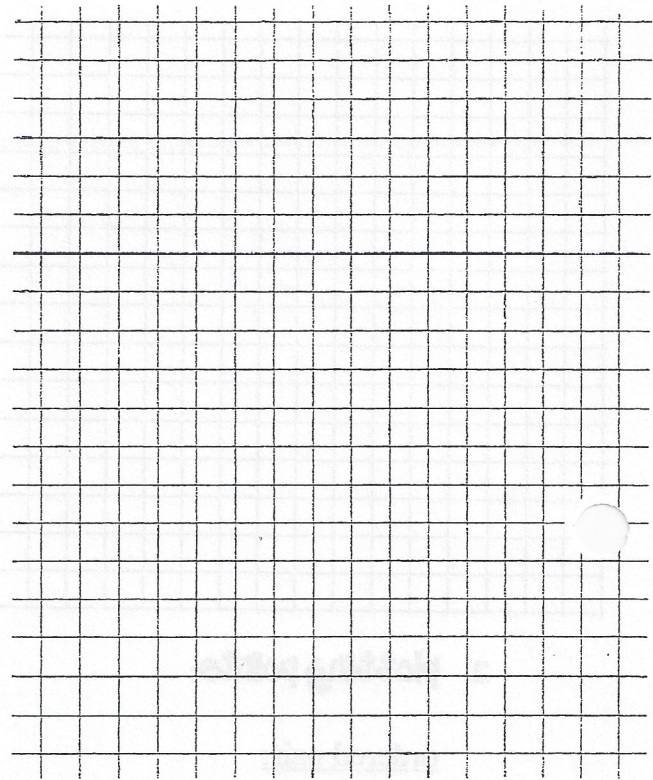
$$2 + x = y \rightarrow$$

An ordered pair...

We can make a table for  $2 + x = y$  for some of the possible solutions.

x					
y					
(x,y)					

Plot the points on a coordinate plane. What do you see?



### 4. what is slope?

Slope:

