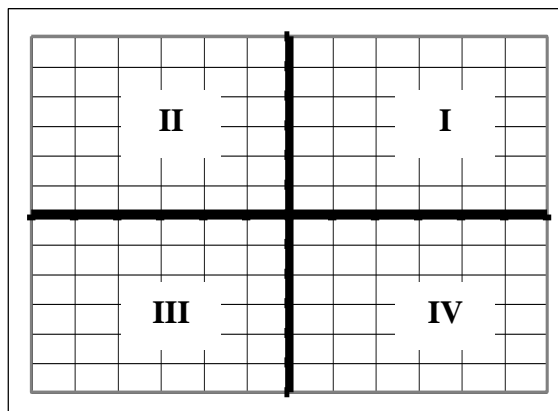


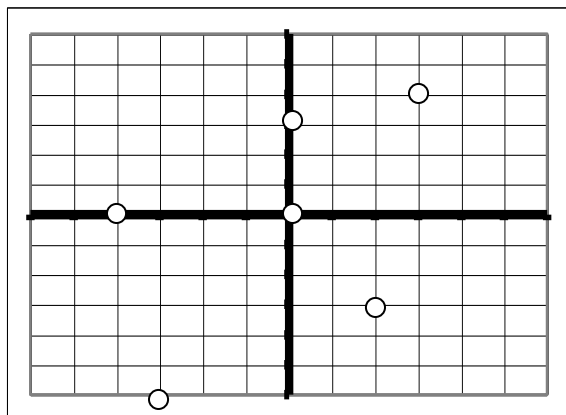
4-1 Graphing & the Coordinate Plane

4 Quadrants in the Coordinate Plane



Now try.....

Name the ordered pair and the quadrant it is found in.



Point	Ordered Pair (x, y)	Quadrant (I, II, III or IV)
A		
B		
C		
D		
E		
F		

4-2 Relations & Functions

Domain – x Coordinate

Range – y Coordinate

Function – Relation where each x value is paired with EXACTLY one y value.

x-coordinates can't repeat & y-coordinates can repeat

Now try.....

State the Domain and Range then determine if the relation is a function.

{(3, 2), (4, 1), (6, 8), (7, 1)}

Domain	
Range	
Is it a function (yes or no)?	

$\{(3, 1), (-2, 2), (1, -1), (1, 3)\}$

Domain	
Range	
Is it a function (yes or no)?	

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

Domain	
Range	
Is it a function (yes or no)?	

Vertical Line Test – A relation is a function if there are not two points on the same vertical line. Use your finger or a ruler to test.

Now try.....

Determine if the relation is a function.

