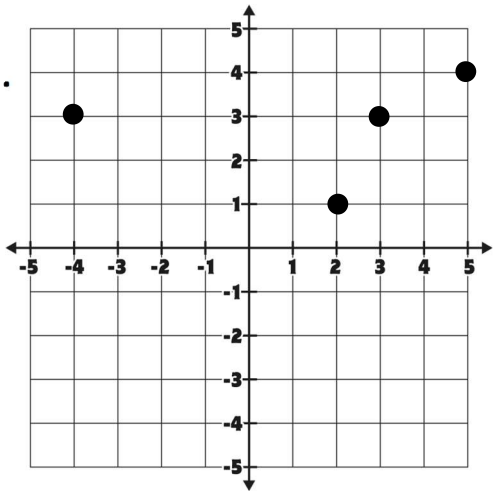
Domain, Range, Zeros, and Intercepts

Name:_____ Date:_____

Fill out the table with all the X values and the corresponding Y values. Identify if the relation is a function or not a function.

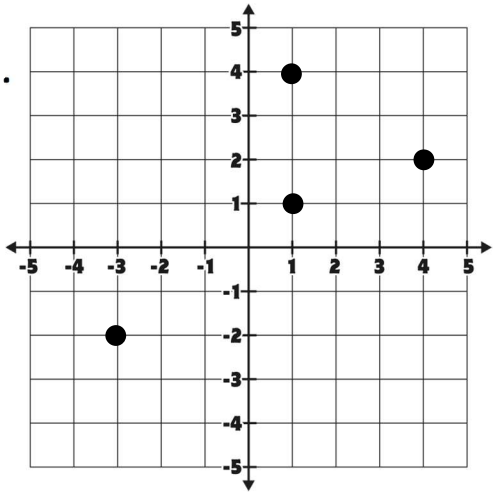
1.



X	Y

Is this relation a function?_____

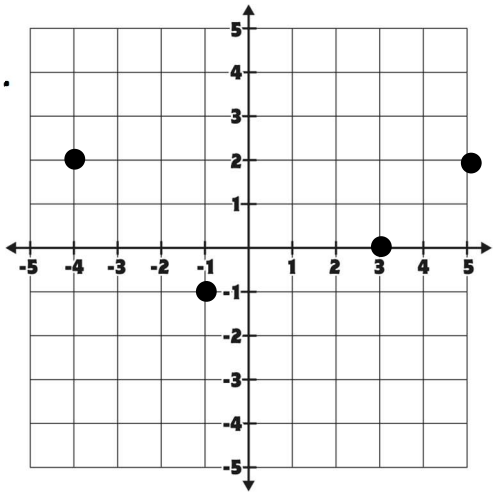
2.



X	Y

Is this relation a function?_____

3.



X	Y

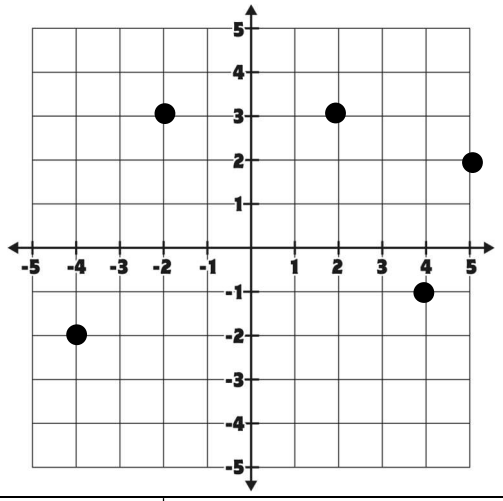
Is this relation a function?_____

What is Domain and Range?

The Domain is a set of all x-values that can be put into a function.

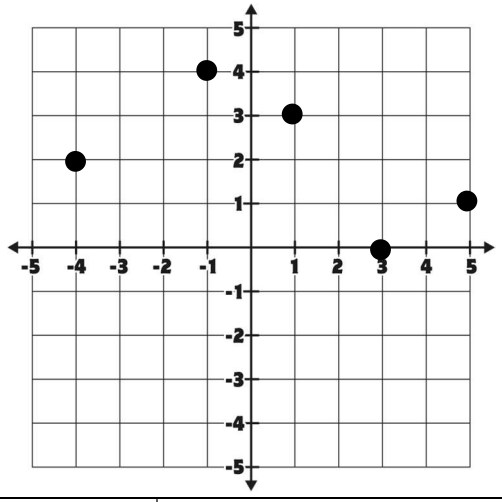
The Range is a set of all y-values that are the outputs from a function

Ex. 1



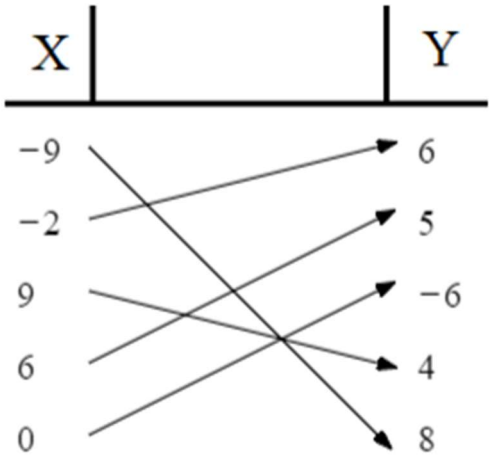
Domain (X)	
Range (Y)	

Ex. 2



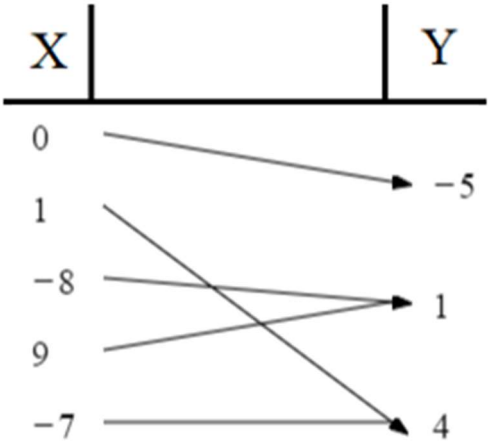
Domain (X)	
Range (Y)	

Ex. 3



Domain (X)	
Range (Y)	

Ex. 4



Domain (X)	
Range (Y)	

What are Zeros?

Zeros are points in which X or Y equal to zero. In a graph, these are points that touch the X or Y axis of a graph

Examples: (4, 0), (0, 1), (0, 0)

What is an X - Intercept?

Any point that touches the X axis. The Y – value will always equal 0.

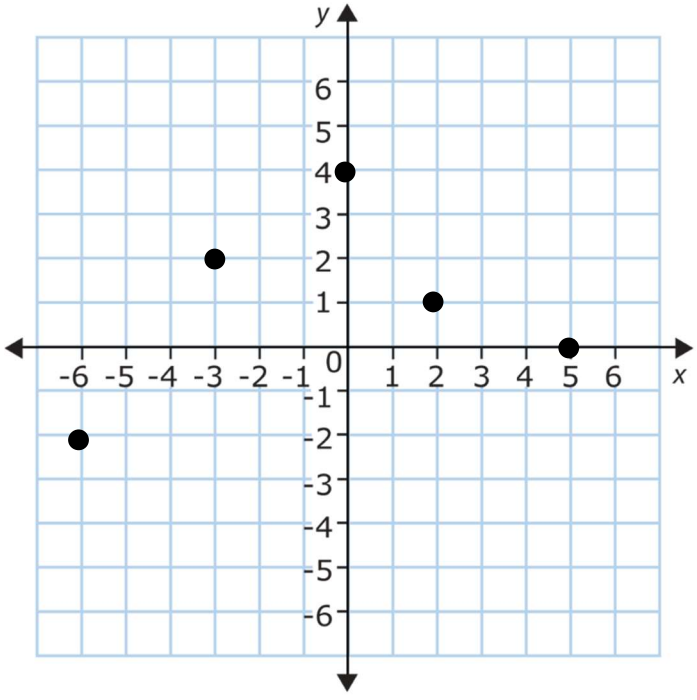
Example: (4, 0)

What is an Y - Intercept?

Any point that touches the Y axis. The X – value will always equal 0.

Example: (0, 1)

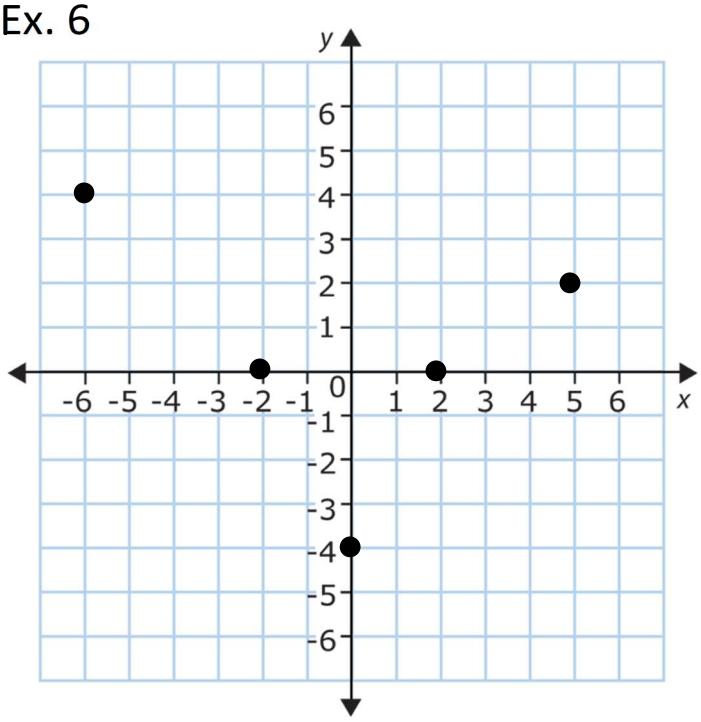
Ex. 5



Domain	
Range	

X – Intercept	
Y – Intercept	

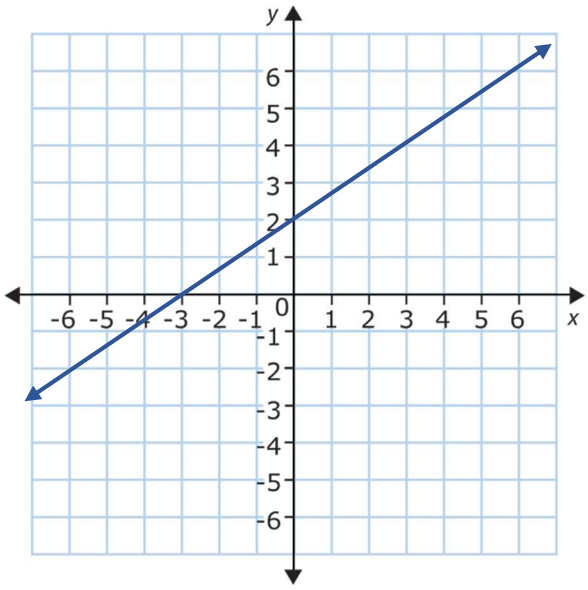
Ex. 6



Domain	
Range	

X – Intercept(s)	
Y – Intercept(s)	

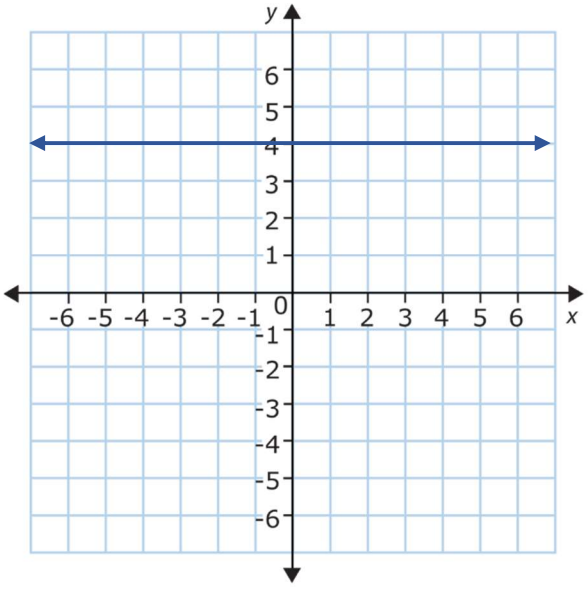
Ex. 7



Domain	
Range	

X Intercept	
Y Intercept	

Ex. 8



Domain	
Range	

X Intercept	
Y Intercept	