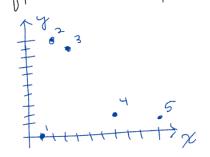
Pre-Algebra Linear Functions Example 1

Identify the Domain and Range of the following sets of numbers:

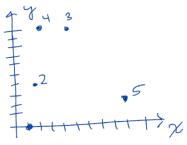
DOMAIN: 2,3,4,6 -> X-VALVES DOMAIN: 9,1,4,6 PANGE: 1,7,9,3-2 Y-VALVES PANGE: 1,1,10,2

Represent the following relation as a graph and as a mapping diagram. State whether the relation is a function.

X 1 2 3 6 10 4 0 10 9 2 1



2. 7/12429



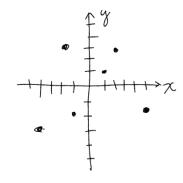
MPUT

FUNCTION only one output for every input.

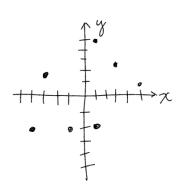
The Input 2 has 2 adput values

Tell whether the relation in the following graphs is a function:

\.



2.



FUNCTION: Passes the

Vertical line test

NOT A FUNITION: Fails

Vertical line test

Determine if the following ordered pairs is a solution to the function y = 2x+1

2. (3,10)

NOT A SOLUTION

3. (0,1)

SULUTION

Complete the following ordered pairs to they are a solution to the function y = 4x - 3

1. (4,4)

2. (-2, 4)

3. (x,5)

## Graph the following functions:

$$| y = 2x - 1|$$

$$x = -2$$

$$y = -2(-2) - 1$$

$$y = -4 - 1$$

$$y = -5$$

2. 
$$4x + 2y = 10$$
 $-4x$ 
 $-4x$ 

$$y = -5$$
  
 $x = -1$   
 $y = 2(-1) - 1$   
 $y = -2 - 1$   
 $y = -3$   
 $x = 0$   
 $y = 2(0) - 1$ 

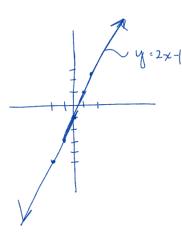
X=1

4-2(1)-1

4=2-1

y=2(2)-1

y=4-1



 $\chi = -1$  y = 5 - 2(-1) y = 5 + 2 y = 7  $\chi = 0$  y = 5 - 2(0) y = 5

$$x=1$$
 $y=5-2(1)$ 
 $y=5-3$ 

