

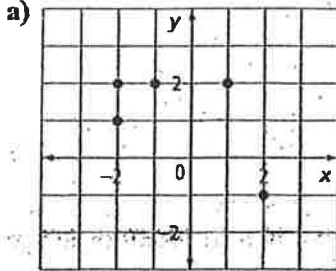
5.5B – Domain and Range WORKSHEET

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

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

1. List the domain and range of each relation.

*\* Remember, smallest to largest, no repeats.*



Domain: {

Range: {

b)

x	y
7	3
5	2
3	1
1	0

Domain: {

Range: {

c) (10, 5), (8, 4), (6, 3), (4, 2), (2, 1)

Domain :

Range :

2. Describe the set of numbers indicated by each number line using words and interval notation.

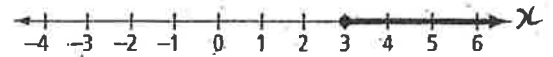
a)



Words :

Interval :

b)



Words :

Interval :

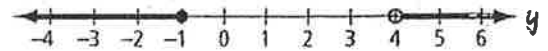
c)



Words :

Interval :

d)




Words :

Interval :

3. Represent the set of numbers indicated using a number line, and an inequality.

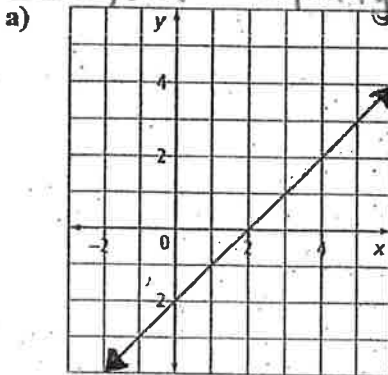
a) all real numbers less than 5 but greater than or equal to 0


Number Line:  Inequality:  $x \geq 0$  and  $x < 5$


b)  $(-4, 7]$

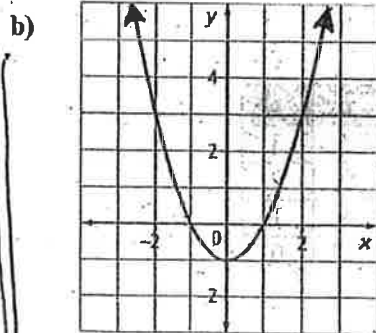
Number Line:  Inequality:  $x > -4$  and  $x \leq 7$


4. Give the domain and range of each graph using words, a number line, interval notation, and set notation, and an inequality.

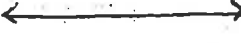


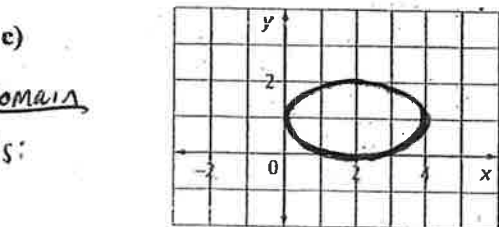
Range  
Words:   
Number Line:   
Interval:   
Inequality:   
Set:   
Domain



Words:   
Number Line:   
Interval:   
Inequality:   
Set:

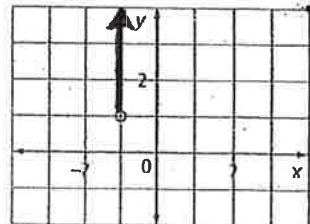




Range  
Words:   
Number Line:   
Interval:   
Inequality:   
Set:   
Domain

Words:   
Number Line:   
Interval:   
Inequality:   
Set:



Domain  
Words:   
Number Line:   
Interval:   
Inequality:   
Set:   
Range  
Words:   
Number Line:   
Interval:   
Inequality:   
Set:



Domain  
Words:   
Number Line:   
Interval:   
Inequality:   
Set:   
Range  
Words:   
Number Line:   
Interval:   
Inequality:   
Set: