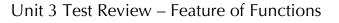


10

15



AGS 1

1.

## - Answers are posted on my website: mspedmath.weebly.com

Intervals of Increase:

Intervals of Decrease:

Constant Intervals:

x – intercepts:

0

6

-5

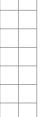
y – intercept:

Maximum:

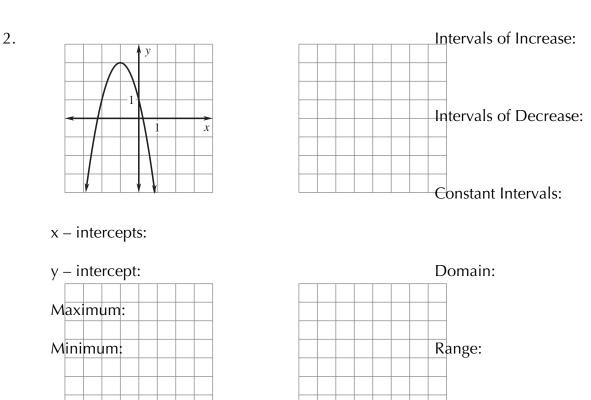
Minimum:

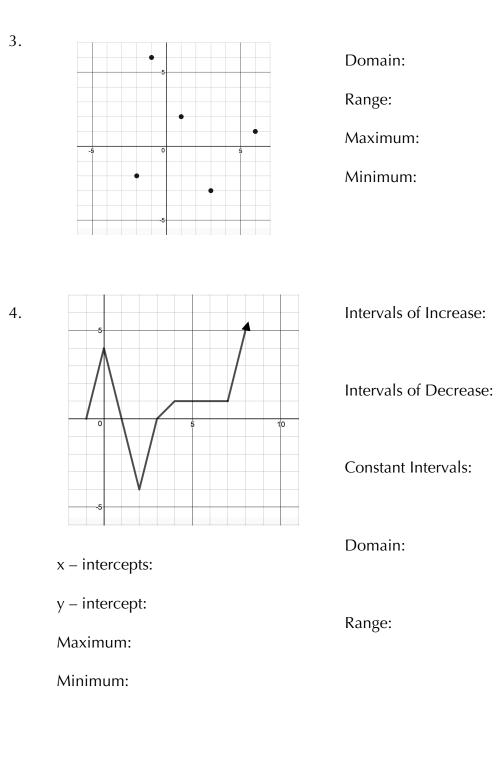
Domain:

Range:









5. Use the graph for #4 to find the following.

- a) f(0) =\_\_\_\_\_
- c) f(x) = -4, x =\_\_\_\_\_

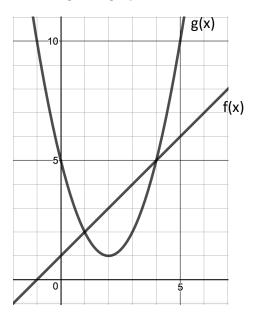
b)

d) f(x) = 0, x =\_\_\_\_\_

6. Use the given functions, determine the values of each of the following and then write as ordered pairs.

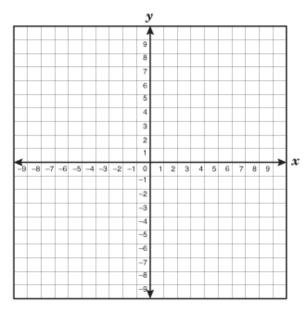
$$f(x) = 3x - 2$$
 and  $g(x) = -x + 5$   
a)  $f(-5) =$  b)  $g(6) =$  c)  $f(0) =$ 

7. Use the given graph to determine the values of each of the following.



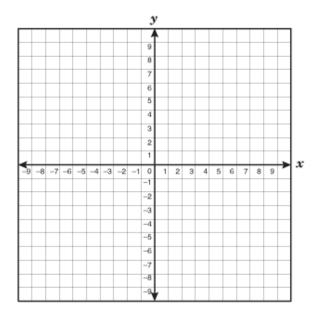
a) Find 
$$f(0) =$$
 \_\_\_\_\_  
b) Find  $g(0) =$  \_\_\_\_\_

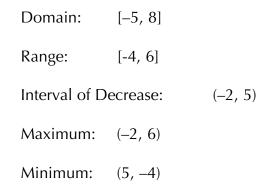
- c) When g(x) = 5, then x =\_\_\_\_\_
- d) Where does g(x) = f(x)?
- e) On what interval is f(x) > g(x)?
- 8. Draw a graph of a function with the given domain and range.



Domain:	[-8, 4]		
Range:	[-2, 5]		

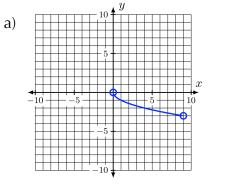
9. Draw a graph of a function with the following features.





10. Find the domain, range, and determine if it is a function and show where it fails if it is not.

d)





Range:

Function?:

b)

Domain:

Range:

Function?:

C)
----

x	2	4	3	2
у	1	2	3	4

Domain:

Range:

Function?:

х	2	4	3	2
у	4	2	3	4

Domain:

Range:

Function?: