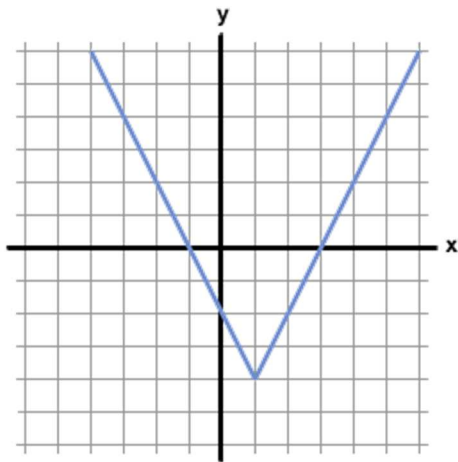


More Graph Practice Warm-Up

1.



Domain: _____

Range: _____

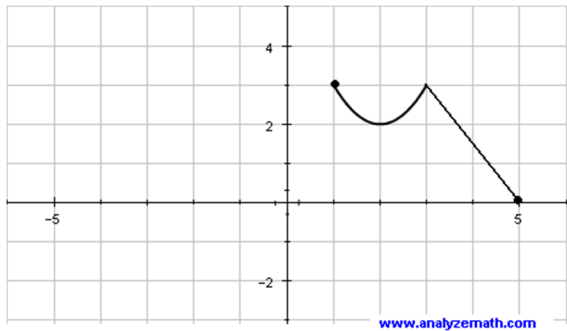
$f(1) =$ _____

$f(3) =$ _____

Find x when $f(x) = 2$ _____

Find x when $f(x) = 4$ _____

2.



Domain: _____

Range: _____

$f(1) =$ _____

$f(3) =$ _____

Find x when $f(x) = 3$ _____

Name: _____

3. Given $f(x) = -3^x + 2$

Fill in the table

x	f(x)
0	
1	
2	
3	

4. Given $f(x) = (-2)^x - 4$

Fill in the table

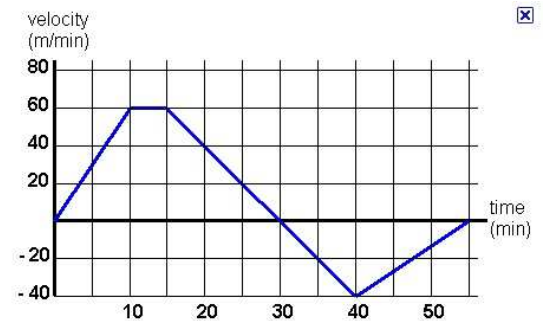
x	f(x)
0	
1	
2	
3	

5.

$f(x) = 2x - 3$	$g(x) = 2^x - 6$	$h(x) = x^2 - 8$
-----------------	------------------	------------------

- a) Find x when $f(x) = 3$
- b) Find x when $g(x) = 2$
- c) $g(2)$
- d) $h(5)$

6.



Domain: _____

Range: _____

On what intervals is the graph increasing?

On what intervals is the graph decreasing?

On what intervals is the graph constant?

7. Zombies are attacking Southeast Raleigh Magnet High School. The function below determines how many people have been attacked where t = time in days and P = the number of people in thousands.

$$P(t) = 8t - 3$$

- a) Find $P(5)$.
 - b) What does $P(5)$ mean?
 - c) Find t when $P(t) = 29$.
 - d) What does $P(t) = 29$ mean?
8. Ebola is attacking Moscow. The function below determines how many people have Ebola where t = time in days and M = the number of people in thousands.

$$M(t) = 7t + 2$$

- a) Find $M(6)$.
- b) What does $M(6)$ mean?
- c) Find t when $M(t) = 37$.
- d) What does $M(t)$ mean?