MAKE UP WORK

1. What is the average rate of change for the function on the ?
	1. 5
	2. -12
	3. - 7
	4. 8
2. A program to restore an endangered frog species began 8 months ago. The table shows the population of the species at various times since the program began.

|  |  |
| --- | --- |
| MONTH | NUMBER OF FROGS |
|  0 |  12 |
|  2 |  65 |
|  4 |  190  |
|  6 |  545 |
|  8 |  1230 |

On average, what has been the monthly change in the frog population over the last 2 months?

1. 260
2. 340.5
3. 45
4. 342.5
5. Find the domain of the following expression:

1. The domain of the function includes all real numbers.
2. The domain of the function includes all whole numbers where .
3. The domain of the function includes all real numbers where .
4. The domain of the domain includes all numbers where

1. A cricket match charges customers an initial fee of $18 to enter the gallery. Show time cost an additional $12 per hour. Which function represents the total cost in dollars, of watching it as a function having a show time in t hours?
2. 5. Sam has a mobile that automatically take pictures. His mobile takes 10 pictures on Day 1 and 6 pictures every day after that .Which function models the total number of pictures p(d) the camera has taken after d days?
3. Compare the graph and the equation given below:



 G(x)

|  |  |  |  |
| --- | --- | --- | --- |
| NO. | STATEMENT | TRUE (T) | FALSE(F) |
| 1. | The graph of F(x) & G(x) should open down. |  |  |
| 2. | The Y- intercept of F(x) is greater than Y-intercept of G(x). |  |  |
| 3. | The graph has 1 X-intercept. |  |  |

1. 1(T), 2(F), 3(T).
2. 1(F), 2(T), 3(T).
3. 1(T), 2(F), 3(F).
4. 1(F), 2(F), 3(F).

1. The function g(x) can be represented as g(x) = -X2- 6X - 2.

 Some of the values of the quadratic function h(x) are shown in the table.

|  |  |
| --- | --- |
| X | h(x) |
| -2 | -8 |
| -1 | -2 |
| 0 | 2 |
| 1 | 4 |
| 2 | 4 |

Which statement is a true comparison of the properties of g(x) and h(x)?

1. The function g(x) has a greater Y – intercept than the function h(x).
2. The function h(x) has a greater Y – intercept than the function g(x).
3. The graph of the function g(x) has a negative ‘a value and it should open up.
4. The function h(x) has X – intercept at Y =4.

1. Infinite solutions
2. No solution
3. 10.Which numerical expression would provide you the solution to the equation

a. b. c. d.

1. Given which value of equation is the solution to the equation F(x)=G(x)?
2. X = -1
3. X = 3
4. X = 2
5. X = 4
6. Given which value of f(X) is a solution to the equation f(x) = g(x)?
7. X = -2
8. X = 1
9. X = 5
10. X = 3
11. What is the average rate of change for the function f(x) = 5x+3 on the interval -3<x<-1?
	* 1. 5
		2. -12
		3. -7
		4. 8
12. 14. A cricket match charges customers an initial fee of $15 to enter the gallery Show time cost an additional $10 per hour. Which function represents the total cost in dollars, of watching it as a function having a show time in t hours?
13. Which of the following ordered pair is a solution to the inequality .

 a. (4, 5)

 b. (1, 4)

 c. (2, 8)

 d. (3, 7)