GSE A	Algebra I
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Name: _____

Date:_____

Rate of Change

Pato of Change -	$-\frac{y_2-y_1}{2}$
Rule of Chunge –	$-\frac{1}{x_2-x_1}$

Rate of Change with Points:

1. Find the rate of change, given the following points:

A. (5,1) and (-1,3).

B. (12,5) and (10,-3).

Rate of Change with functions:

2. Find the rate of change for f(x) = -2x - 6 from [0, 2].

3. Find the rate of change for $f(x) = 2x^2 - 3$ from [-2, 1].

4. Find the rate of change for $f(x) = 2x^2 + 3x - 4$ from [-3, -1].

Rate of Change with Tables

- 5. Find the rate of change using the table.
 - A. Find the rate of change from 0 to 2.
 - B. Find the rate of change from -1 to 3.

Х	f(x)
-1	-10
0	-4
1	2
2	10
3	22

Rate of Change with Graphs

6. Find the rate of change from [0, 2]



7. Find the rate of change from [2, 5]



8. Find the rate of change from [-1, 2]



9. Find the rate of change from [-4, -2]

