**Review Day 1 WS** Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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

1. Create a table and graph to represent how the perimeter is growing

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|  |  |
| --- | --- |
| step | toothpicks |
|  |  |
|  |  |
|  |  |
|  |  |

1. From the information above, state the rate of change, initial value, and write a rule
2. Find the slope, y-intercept, and write a rule for the following



|  |  |
| --- | --- |
| x | y |
| -2 | 0 |
| 0 | 3 |
| 2 | 6 |
| 4 | 9 |

 Slope:\_\_\_\_\_\_\_\_\_\_ Slope:\_\_\_\_\_\_\_\_\_\_\_\_\_

 y-intercept:\_\_\_\_\_\_\_\_\_\_\_ y-intercept: \_\_\_\_\_\_\_\_\_\_

 Rule: Rule:

1. Find the rate of change the represents the following lines



1. For the following situation fill in the table of values, make a graph, and write 2 equations



Ace Tennis Club Equation: Love Tennis Club Equation:

1. At “Cross Fit” there is a startup fee of $120 and then a $35 monthly fee
	1. Write an equation that represents the cost C
	2. What does the slope represent?
	3. What does the y-intercept represent?
	4. What is the cost of a two-year membership?

Fill in the blank

1. The initial value represents the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. The rate of change represents the\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. The variable represents\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. Find the slope of the line that passes through the following points and write a rule.
	1. A(-3,4) and B(0,3) Rule: