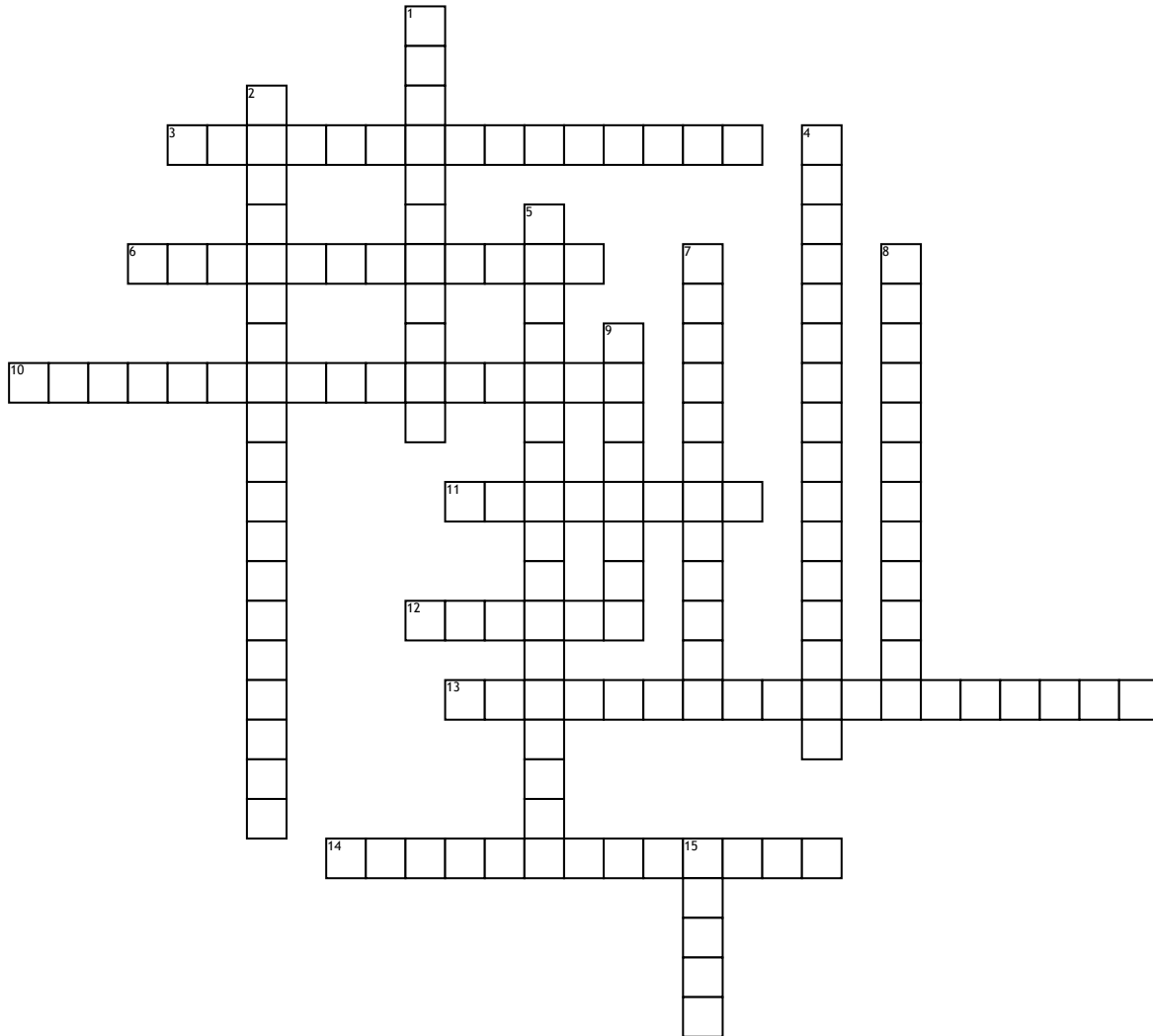Name: _____ Date: _____ Period: _____

Topic 2 Vocabulary

Across

3. function for which sufficiently small changes in the input result in arbitrarily small changes in the output.

6. relation between a set of inputs and a set of permissible outputs with the property that each input is related to exactly one output.

10. The common difference is the difference between two numbers in an arithmetic sequence.

11. expression, rule, or law that defines a relationship between one variable (the independent variable) and another variable (the dependent variable).

12. set of values for which a function (map, transformation, etc.) is defined.

13. sequence of numbers that has a constant difference between every two consecutive terms.

14. one (or both) of the variables has discrete entries, its means that are entered number, without decimal part,

Down

1. known variable, while the output is the solution. Use functions any time a variable (x) transforms in a relationship to equal a new variable (y).

2. variable you can manipulate, but it's not dependent on the changes in other variables

4. common difference is the difference between two numbers in an

5. variable whose value depends upon independent variable s.

7. is the relationship between input and output values

8. A function is an expression that generates one unique output for each input.

9. shows the relationship between x-values and y-values in ordered pairs. The set of x-values is called the domain, and the set of y-values is called the range.

15. refers to the set of all outputs of a function.