Name: _____ Date: _____

Chapter 1-2 Vocabulary

(crossword puzzle grid)

Across answers shown in grid: SET BUILDER NOTATION, SYSTEM, HORIZONTAL STRETCH, LINE OF BEST FIT, M R O W E N, REFLECTION, JESUS, VERTICAL STRETCH, SUBSET, PARENT FUNCTION, ABSOLUTE DEVIATION
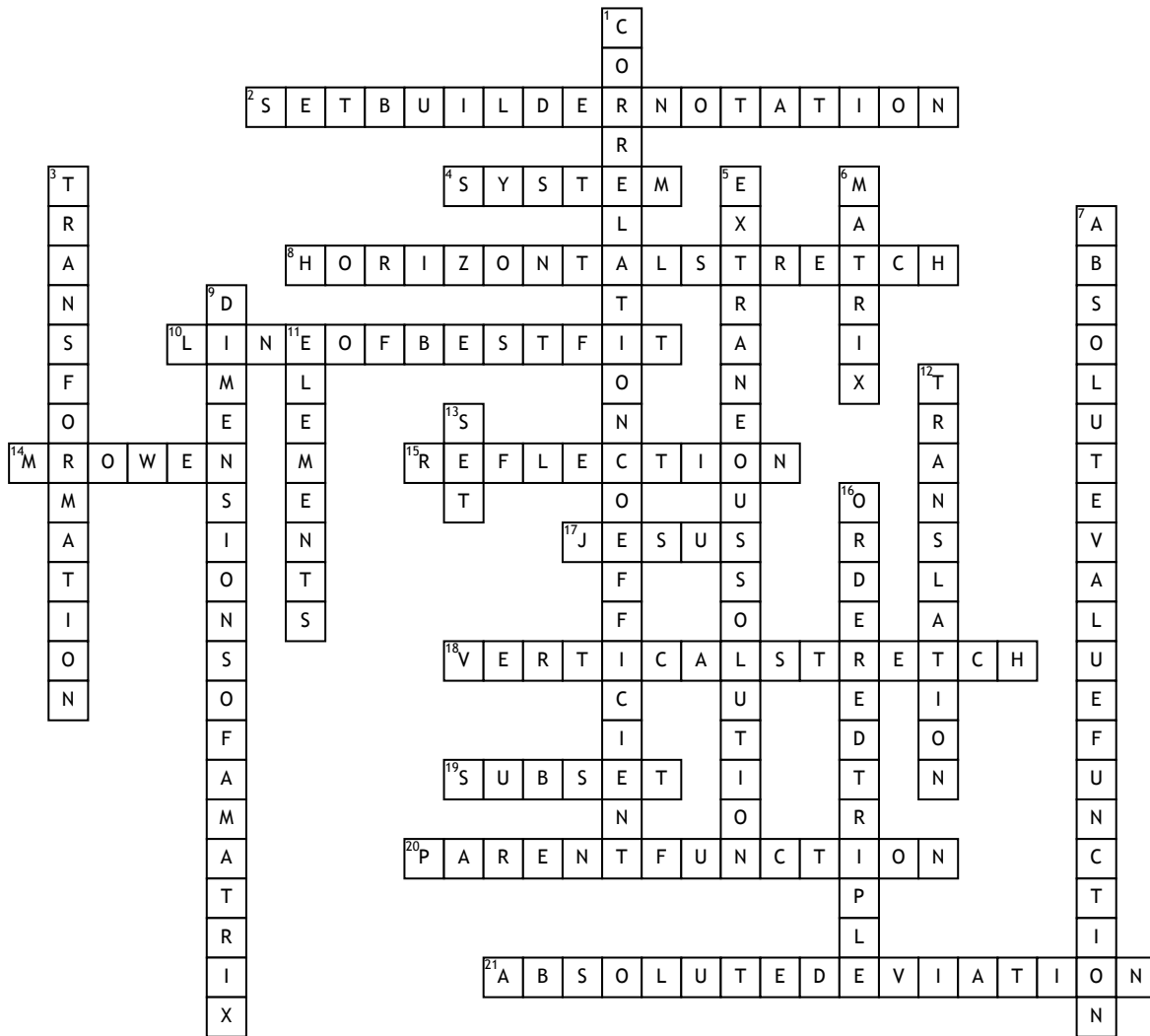
Across

2. a way to write an interval using symbols to define a set.
4. a set of two or more equations
8. a transformation that causes the graph of a function to stretch away from the y-axis when all the x-coordinates are multiplied by a factor a, where 0<a<1
10. a line that lies as close as possible to all of the data points in a scatter plot
14. The best Algebra II teacher at Fairfield High School
15. a transformation that flips a graph over a line of reflection
17. According to many, he is always the answer

18. a transformation that causes the graph of a function to stretch away from the x-axis when all the y-coordinates are multiplied by a factor a, where a>1
19. when all the members of a set are also members of another set
20. the most basic function in a family of functions
21. the absolute value of the difference of a number x and a given value

Down

1. a number "r" from -1 to 1 that measures how well a line fits a set of data pairs (x,y)
3. a change in the size, shape, position, or oreintation of a graph
5. an apparent solution that must be rejected because it does not satisfy the original equations

6. a rectangular array of numbers
7. a function that contains an absolute value expression
9. an m x n matrix has m rows and n columns
11. the numbers in a matrix
12. a transformation that shifts a graph horizontally and/or vertically but does not change its size, shape, or orientation
13. A collection of objects
16. a solution of a system of three linear equations