ALGEBRA CROSSWORD PUZZLE
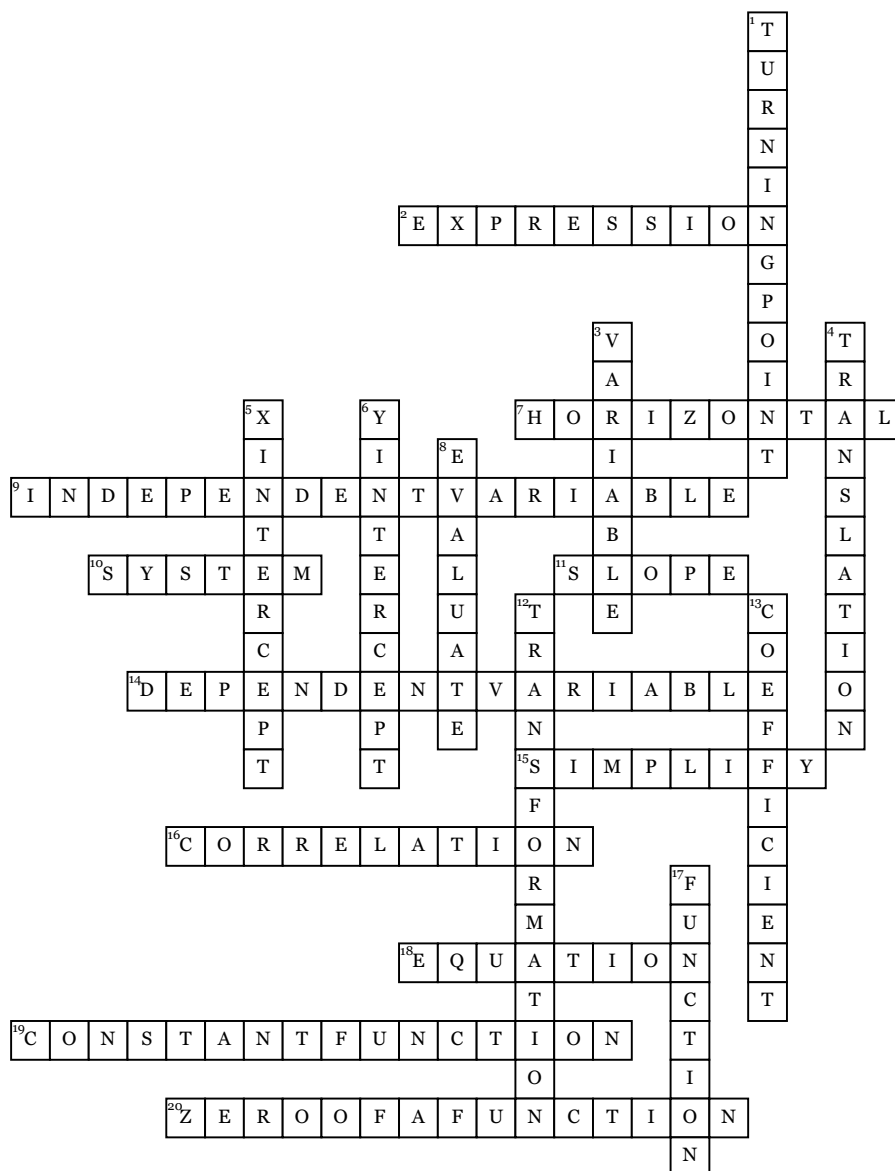
Across

2. a mathematical phrase which contains one or more variables

7. parallel to the plane of the horizon; at right angles to the vertical

9. the input values of a function (usually x)

10. a set of two or more equations using the same variables

11. ratio of vertical change to horizontal change in a non-vertical line; change in y over change in x

14. the output values in a function (usually y)

15. to make less complex by distribution, reducing, combining like terms, etc.

16. the strength of a relationship between two data sets

18. a statement that two algebraic expressions are equal

19. a function of the form y = a where a is a real number

20. any value of x for which f(x) = 0

Down

1. a point where the graph of a function changes direction

3. a symbol, usually a letter, that represents one or more numbers

4. the shift of a graph of a function horizontally, vertically or both

5. a point at which a graph of a function crosses the x-axis

6. a point at which a graph of a function crosses the y-axis

8. determining the arithmetic value of an expression by substituting number values for the variables

12. a change made to the values of a function which translates, reflects, rotates or dilates a graph of the function

13. the numerical factor in a term

17. a relation in which each element in the domain corresponds with exactly one element in the range