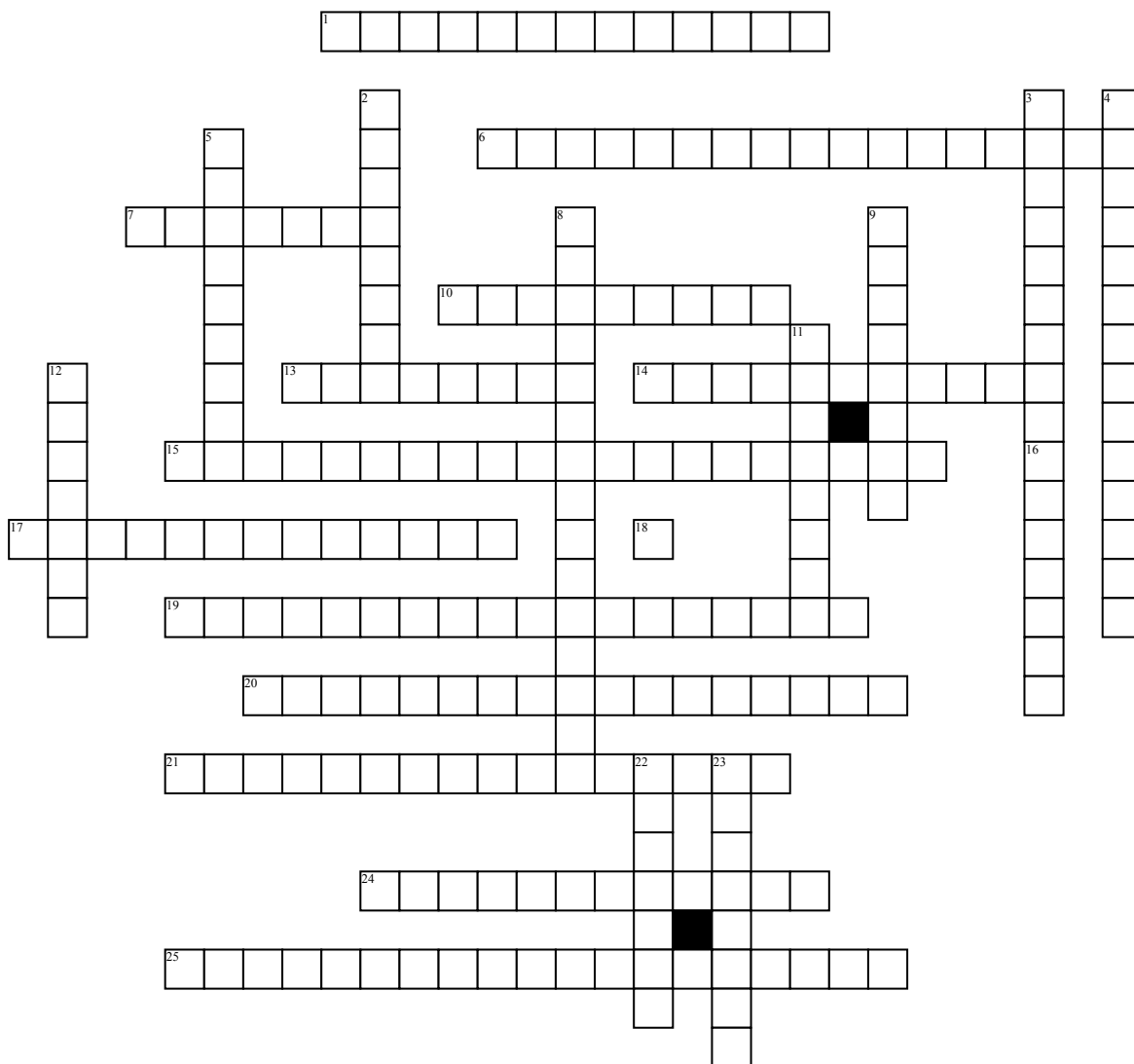


Name: _____

Date: _____

Algebra Project



Across

1. a function on the real numbers is called a step function if it can be written as a finite linear combination of indicator functions of intervals
6. a function which is defined by multiple sub-functions, each sub-function applying to a certain interval of the main function's domain
7. a mathematical relationship or rule expressed in symbols.
10. repeated multiplication of the base
13. To plug in
14. the ratio of a term to the previous term (R)
15. a sequence of numbers where each term after the first is found by multiplying the previous one by a fixed, non-zero number called the common ratio.

Down

16. Range
17. Real number x is the non-negative value of x without regard to its sign.
18. Domain
19. a connected chain of inequalities
20. A model for growth of a quantity for which the rate of growth is directly proportional to the amount present
21. A series which has a constant difference between terms.
24. Determines what types of roots a quadratic has
25. The variable that changes (X)

4. A vertical line with all points on the line having the same x -coordinate
5. The slope of a horizontal line
8. A series which has a constant ratio between terms.
9. A number that must be multiplied times itself three times to equal a given number
11. a term or expression for which any variables cancel out
12. The mathematics of working with variables
22. a quantity forming or expressed as the root of another
23. A mathematical sentence built from expressions using one or more equal signs