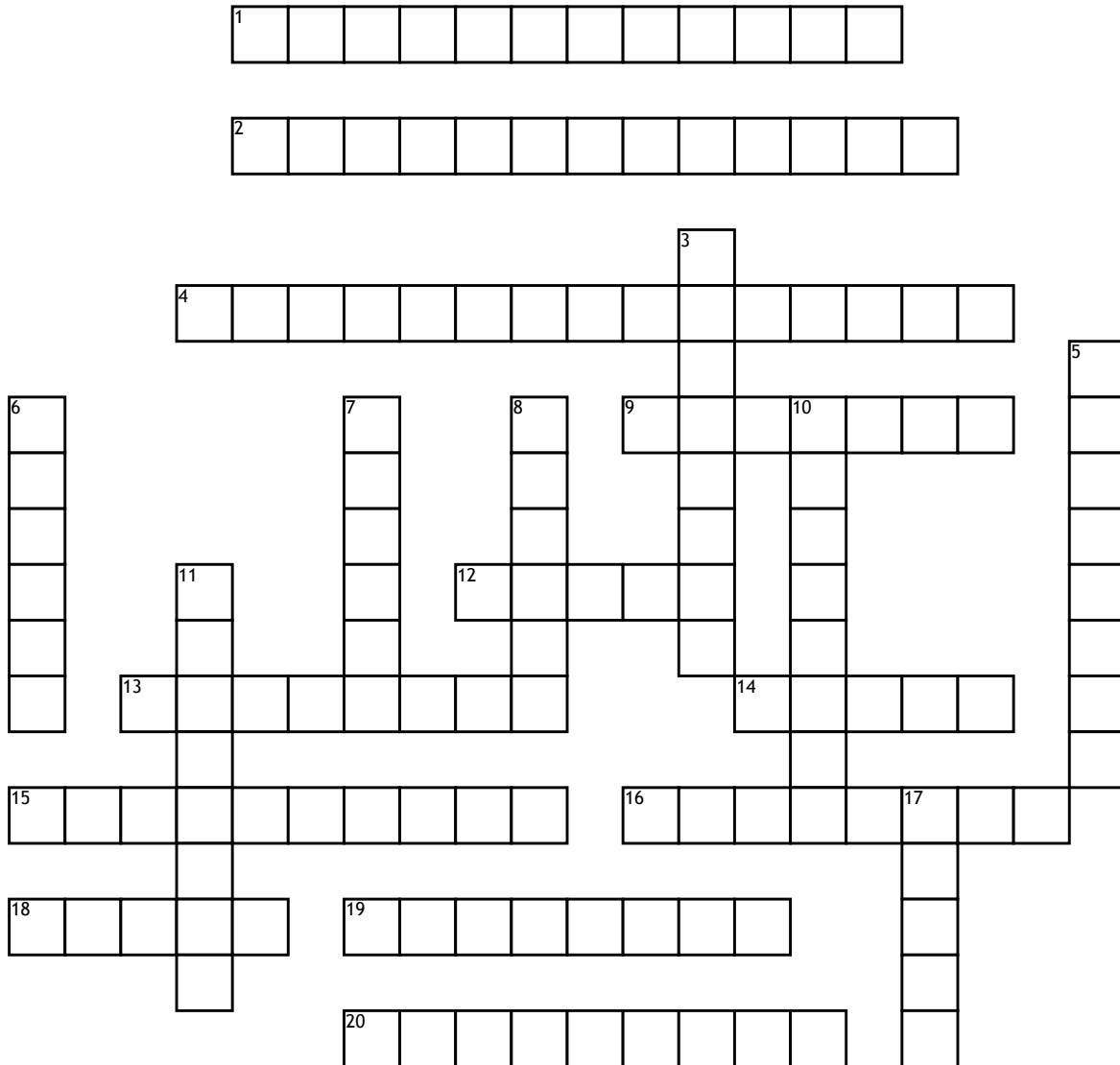


Name: _____

Date: _____

Algebra



Across

- 1. a way of writing down very large or very small numbers easily
- 2. the equation of a straight line in the form $y = mx + b$ where m is the slope of the line and b is its y -intercept
- 4. the largest value a given function assumes on a specified set
- 9. an operation that associates each element of a given set, the domain and range
- 12. all the output values of a function
- 13. a relationship or expression involving one or more variables
- 14. of a number x is another number, which when multiplied by itself a given number of times, equals x

- 15. the value of y at the point where the line crosses the y axis
- 16. between two sets is a collection of ordered pairs containing one object from each set
- 18. is the integer denoted 0 that, when used as a counting number, means that no objects are present
- 19. of a topology or topological space having the property that every subset is an open set
- 20. $y = ax^2 + bx + c$

Down

- 3. of lines, planes, surfaces, or objects side by side and having the same distance continuously between them

- 5. a number on its own, or sometimes a letter such as a , b or c to stand for a fixed number
- 6. a corner or a point where lines meet
- 7. almost all rules and algorithms start with an input and end with an _____
- 8. all the input values of a function
- 10. a curve where any point is at an equal distance
- 11. a statement that the values of two mathematical expressions are equal
- 17. almost all rules and algorithms start with an _____ and end with an output