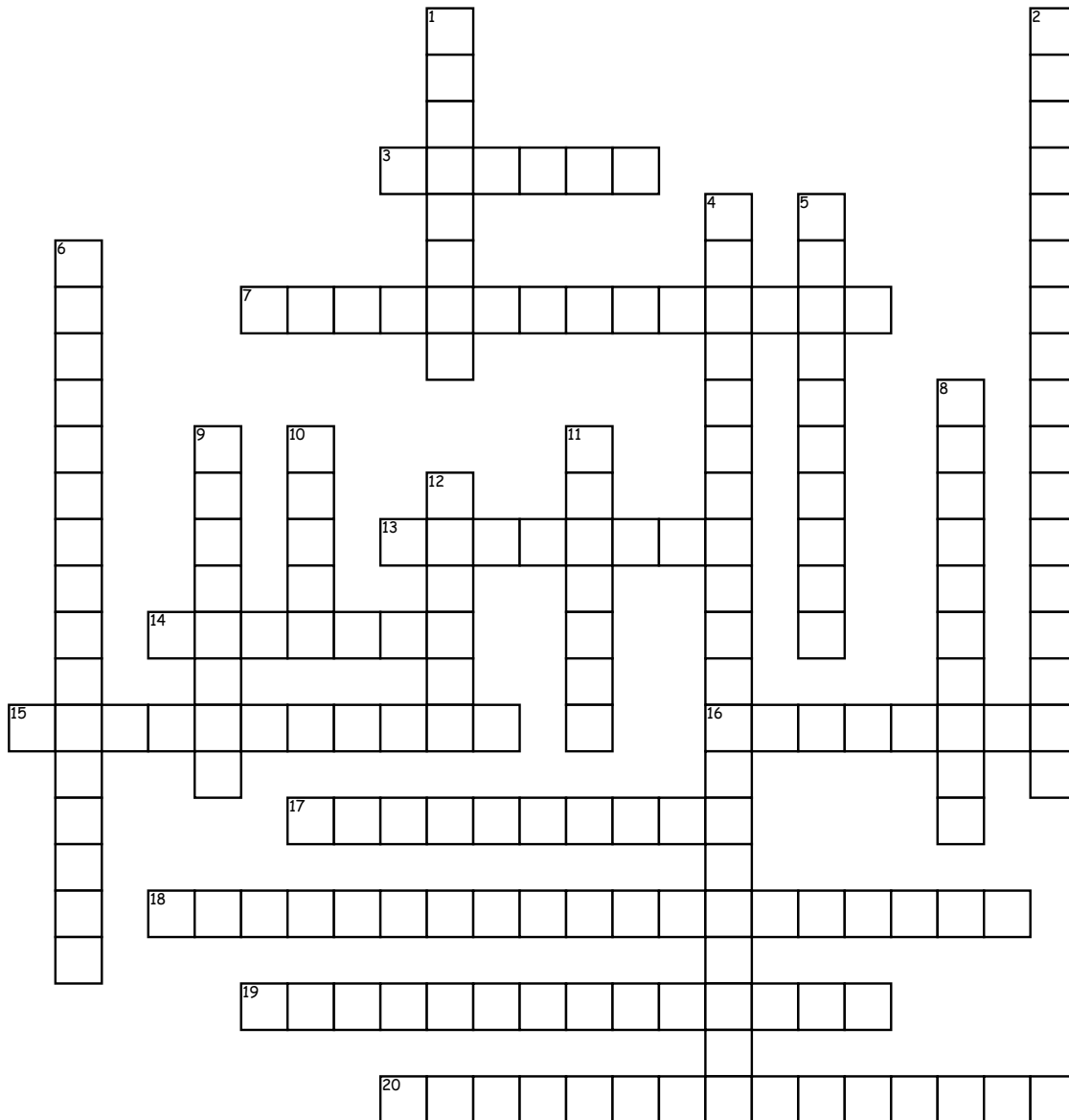


# Algebra



## Across

3. A rectangular array of numbers written within brackets  
 7. The line that divides a figure into two parts that are mirror images  
 13. A quantity whose value does not change  
 14. The part of mathematics in which letters and other general symbols are used to represent numbers and quantities in formulae and equations.  
 15. The numerical factor in a term  
 16. A polynomial of one term  
 17. flip of a graph across an axis or a line

18. The input values of a function (usually  $x$ )

19. The simplest form of a set of functions which form a family

20. Any number of the form  $a + bi$ , where  $a$  and  $b$  are real numbers,  $b$  is not equal to zero, and  $i$  is the square root of  $-1$

## Down

1. A statement that two algebraic expressions are equal

2. The output values in a function (usually  $y$ )

4. The common factor of each term of an expression that has the greatest coefficient and the greatest exponent

5. Parallel to the ground

6.  $x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$  which gives the solution to a quadratic equation

8. A mathematical phrase which contains one or more variables

9. To make less complex by distribution, reducing, combining like terms, etc.

10. The set of all outputs of a relation (usually  $y$ )

11. One of the positive or negative whole numbers or zero

12. The set of all inputs in a relation (usually  $x$ )