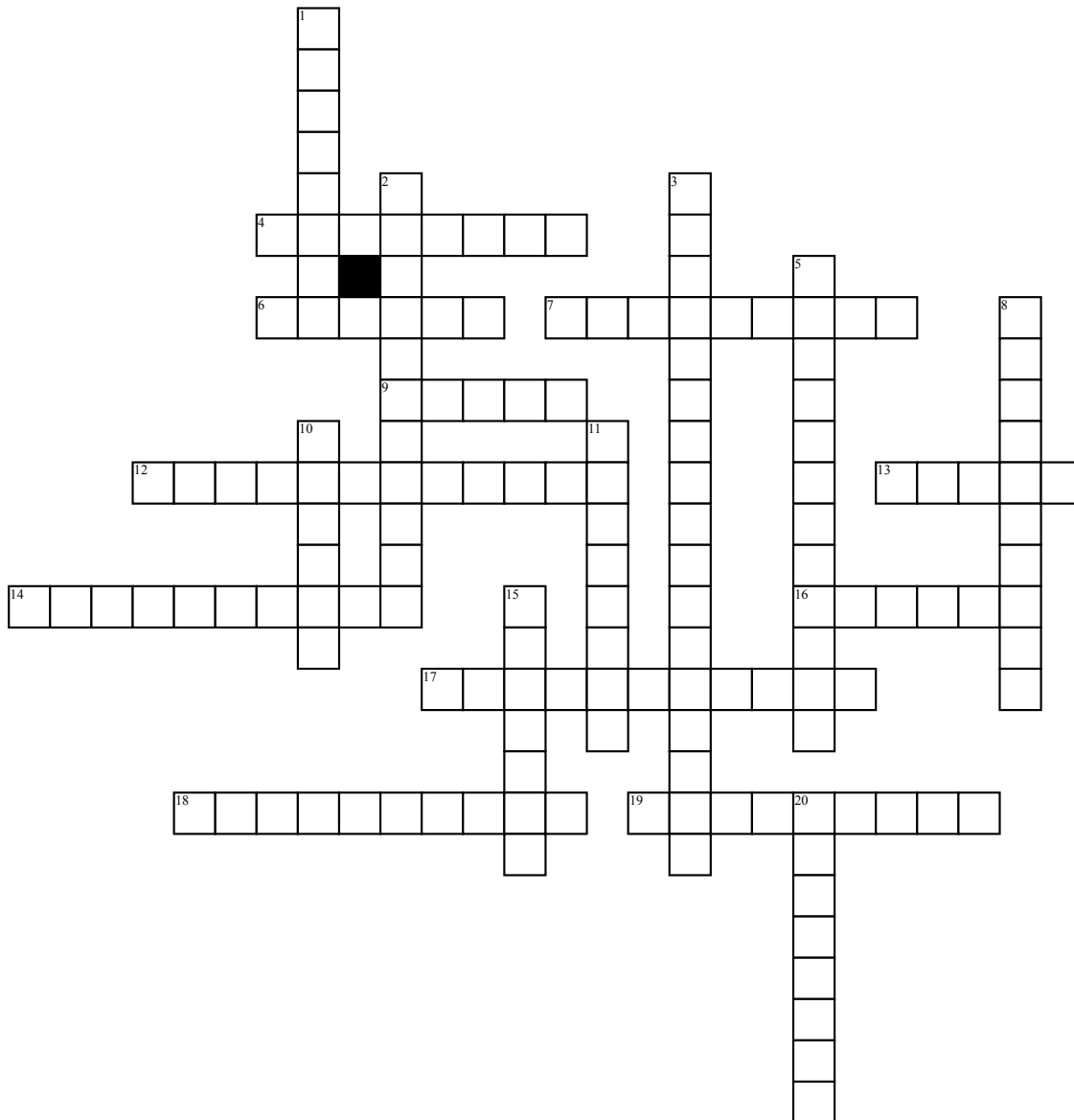


# Awesome Algebraic Crossword



## Across

4. a number or product of numbers and variables with whole-number exponents  
 6. a part of the population  
 7. A fixed line used to define a parabola  
 9. An outcome or set of outcomes in a probability experiment.  
 12. a system of equations containing only linear equations  
 13. for an infinite arithmetic series that converges, the number that the partial sums approach

14. the entire group of objects or individuals considered for a survey  
 16. A survey of an entire population.  
 17. The trends in the y-values of a function as the x-values approach positive and negative infinity.  
 18. a monomial or a sum or difference of monomials.  
 19. the exponent that a specified base must be raised to in order to get a certain value

## Down

1. the shape of the graph of a quadratic function

2. A transformation that pushes the points of a graph horizontally toward the y-axis or vertically toward the x-axis.  
 3. A factor of degree 2 or greater that cannot be factored further.  
 5. the base  $1+r$  in an exponential expression.  
 8. the sum of a specified number of terms  $n$  of a sequence whose total number of terms is greater than  $n$   
 10. a rectangular array of numbers  
 11. a set with no elements  
 15. an indicated root of a quantity  
 20. the expression under a radical sign