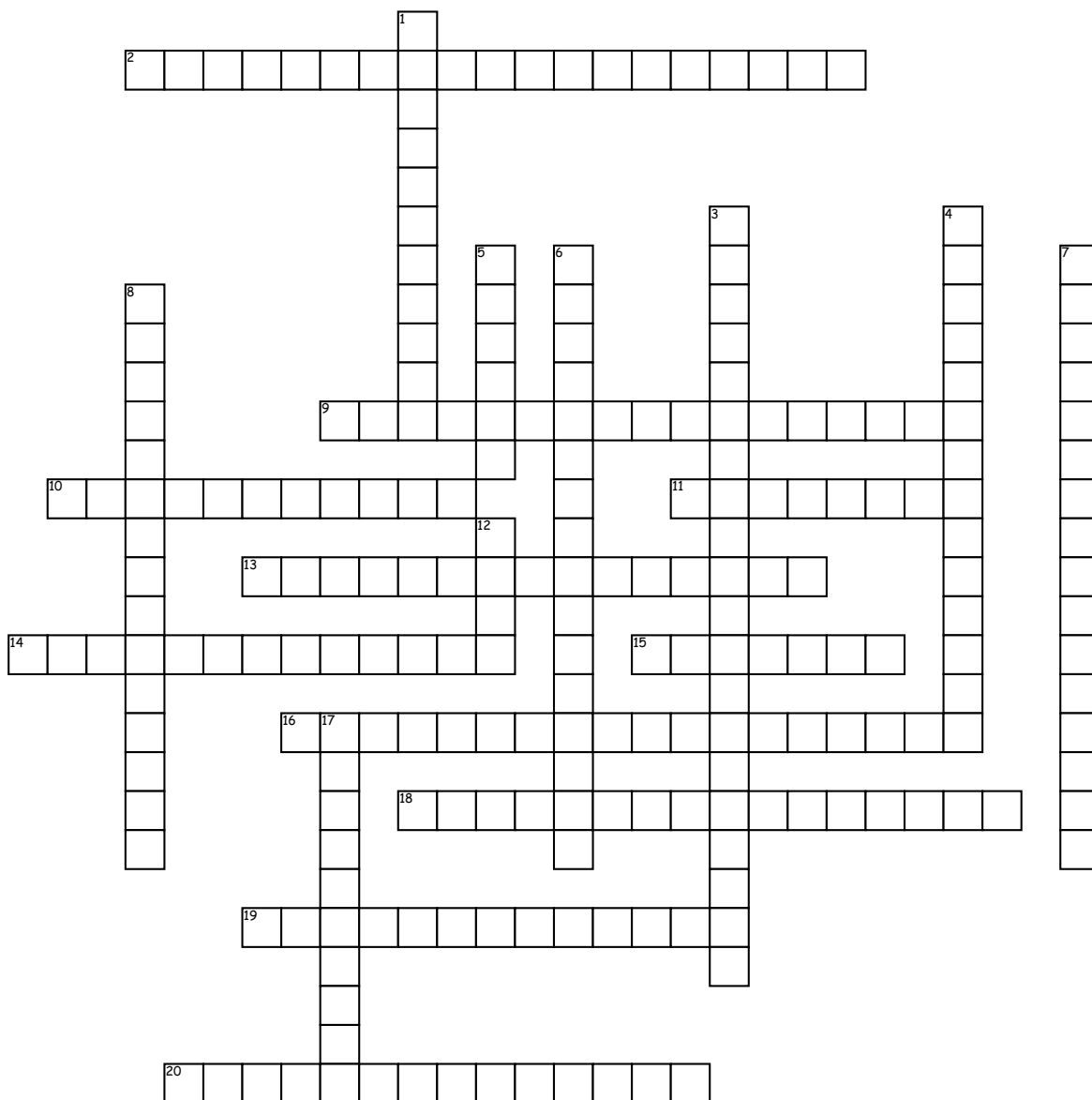# Radically Expressed

Across

2. a solution of a derived equation that is not a solution of the original equation

9. a sequence in which the ratio of successive terms is a constant r, called the constant ratio, where r is not 0 or 1

10. two units right

11. a list of numbers that often form a pattern

13. a formula that defines the nth term, or general term, of a sequence as a function of n

14. a rule for a sequence in which one or more previous terms are used to generate the next term

15. sine/cosine

16. A sequence whose successive terms differ by the same nonzero number d called the common difference

18. an exponent that can be expressed as m/n , where m is a integer and is a natural number

19. all the values that would make the denominator equal to zero

20. the simplest function with the defining characteristics of the family

Down

1. the constant ratio of any term and the previous term

3. a geometric series in which the sum of a finite number of terms of a geometric sequence is found

4. a sequence with a finite number of terms

5. the indicated sum of the terms of a sequence

6. $f(x)=\sqrt[3]{x}$

7. equation that contains one or more rational expressions

8. an equation that contains a variable within a radical

12. in a right triangle, the ration of the length of the side opposite angle A to the length of the hypotenuse

17. a translation that reflects a graph or figure across a line