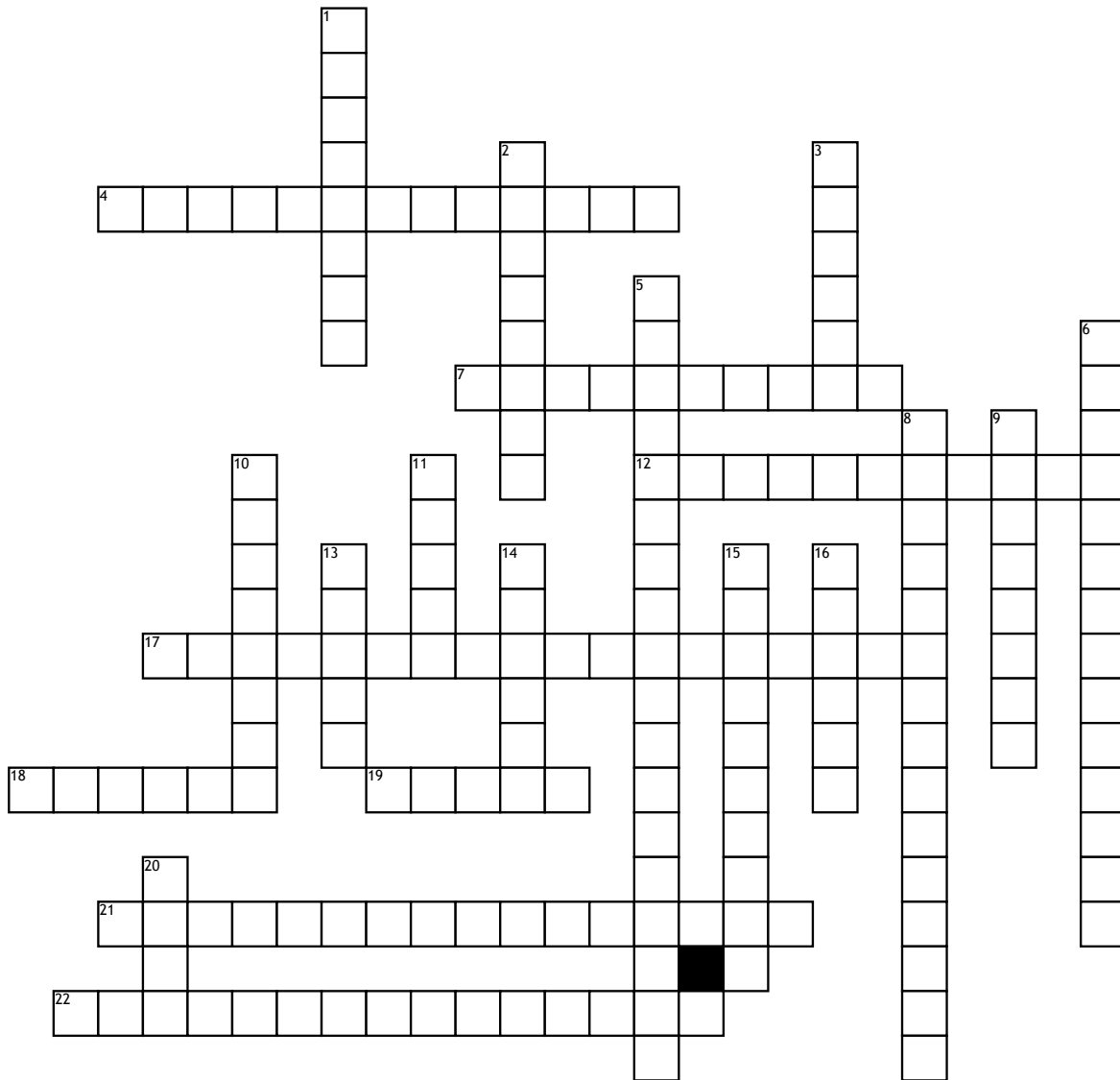


# Radical Functions



## Across

4. a number that is perfectly square rooted
7. the sum and difference of the same two terms
12. rewrite as a rational number. Needed to obtain the simplest radical form
17. an apparent solution of the equation that does not satisfy the original equation
18. the set of possible values of the independent variable or variables of a function. Find this to create your table.
19. square root of 3 times the square root of 3

21. an equation that contains one or more rational expressions

22. an equation that has a variable in a radicand

## Down

1. the quantity or expression under the radical sign
2. the number which produces a given number when cubed
3. 4 times the square root of 9
5. a function that contains the independent variable in the radicand
6. a family of functions is a group of functions with common characteristics. A \_\_\_\_\_ is the simplest function with these characteristics.

8. all numbers that can be written as a fraction

9. replace an expression with its simplest form

10. a mathematical sentence that uses an equal sign

11. the possible values of the output, or dependent variable of a function

13. plot or trace on a \_\_\_\_\_

14. when solving a radical equation you must \_\_\_\_\_ both sides

15. a number which produces a specified quantity when multiplied by itself.

16. the point at which the axes of the coordinate plane intersect

20. mr moundros