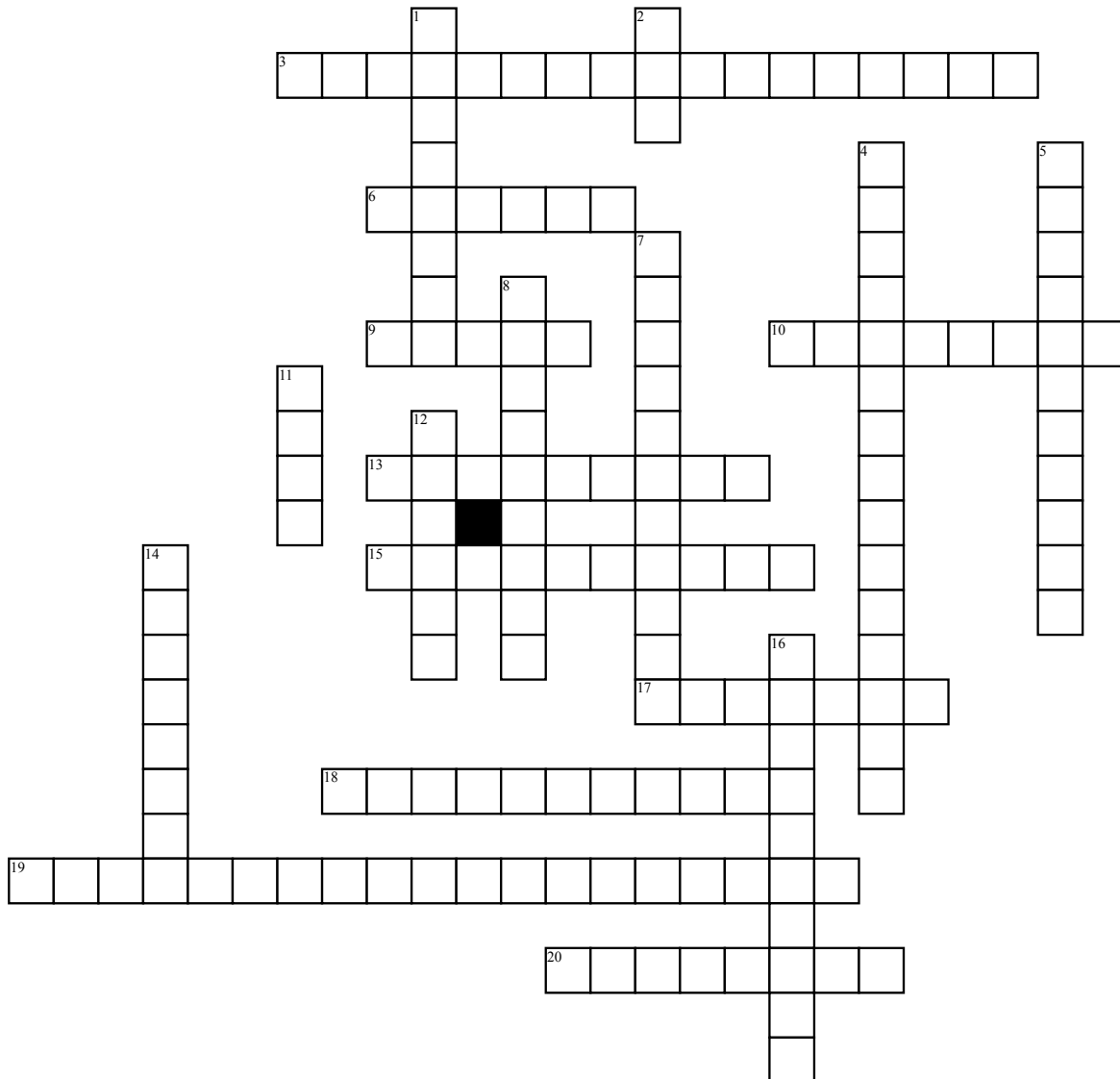


Algebra Crossword



Across

3. A number that cannot be expressed as a ratio between two integers and is not an imaginary number

6. the measure of the central angle of a circle subtended by an arc equal in length to the radius of the circle

9. also sometimes called a root, of a real-, complex- or generally vector-valued function f is a member x of the domain of f such that $f(x)$ vanishes at x that is, x is a solution of the equation.

10. is an algebraic structure consisting of a set of elements equipped with an operation that combines any two elements to form a third element and that satisfies four conditions

13. the process of finding the factors that are multiplied to reach a certain number

15. is a polynomial consisting of three terms or monomials

17. a math term used to describe an idea that can be proved. A mathematical statement which has been proved true. It is a statement or proposition which can be derived from a set of axioms and following a sequence of logical reasoning

18. the likelihood of something happening in the future

19. a mathematical phrase that can contain ordinary numbers, variables and operators

20. a relation from a set of inputs to a set of possible outputs where each input is related to exactly one output

Down

1. a symbol that denotes a mathematical object, which could be a number, a vector, a matrix, or even a function

2. A line which starts at a point with given coordinates, and goes off in a particular direction to infinity, possibly through a second point

4. any number that can be expressed as the quotient or fraction

5. Positive or negative, large or small, whole numbers or decimal numbers are all

7. a numerical or constant quantity placed before and multiplying the variable in an algebraic expression

8. a number on its own, or sometimes a letter such as a , b or c to stand for a fixed number

11. is any segment of the circumference of a circle. It is normally expressed in degrees, referring to the angle between the two lines drawn from either end

12. a rectangular array of numbers or other mathematical objects for which operations such as addition and multiplication are defined

14. a quantity that may change within the context of a mathematical problem or experiment

16. an expression consisting of variables and coefficients, that involves only the operations of addition, subtraction, multiplication, and non-negative integer exponents of variables