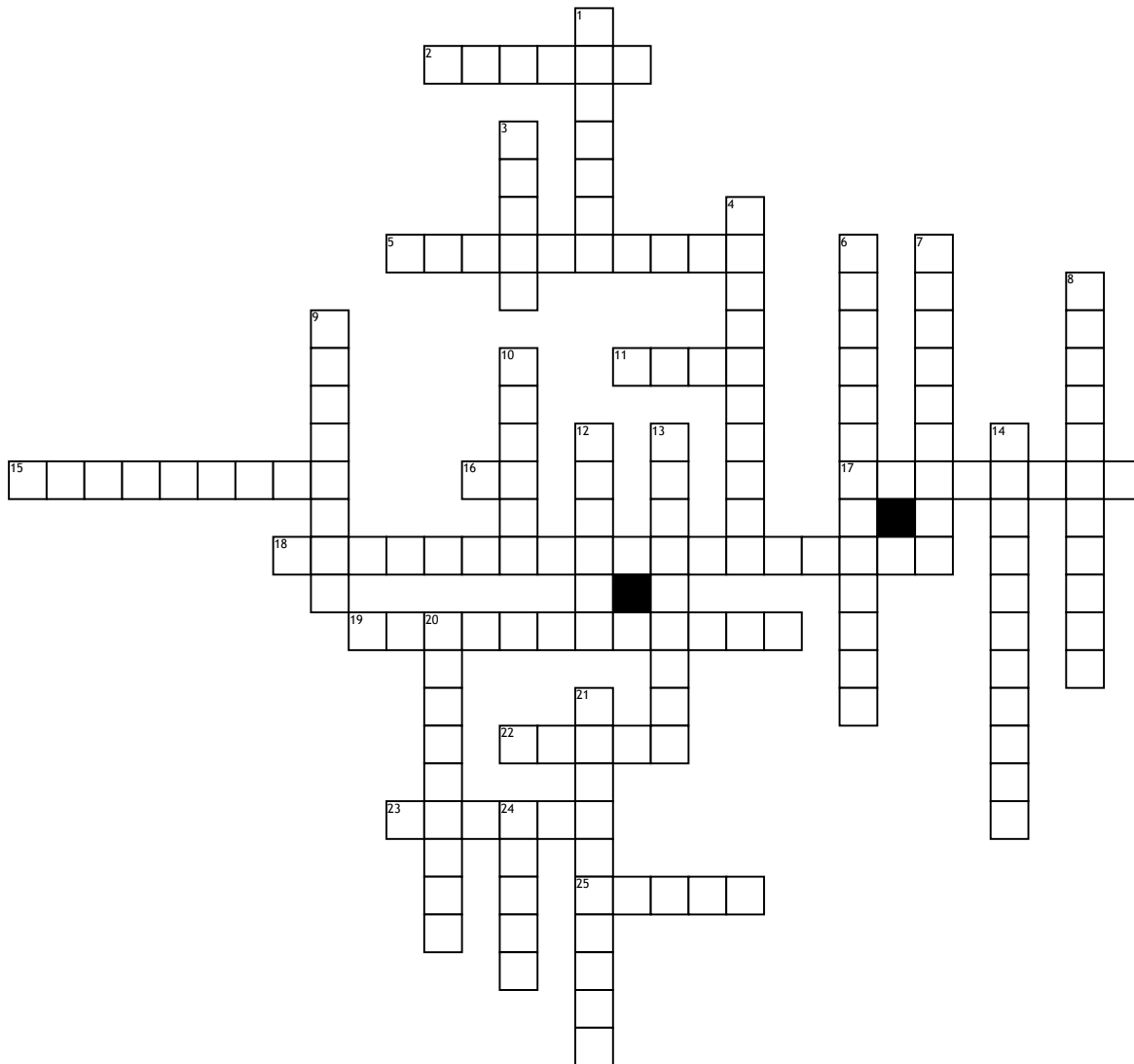


Pre-calculus Crossword



Across

2. ratio of the adjacent side to the hypotenuse of a right-angled triangle
 5. the longest side of a right triangle, opposite the right angle.
 11. the trigonometric function that is equal to the ratio of the side opposite a given angle to the hypotenuse
 15.) the ratio of the side other than the hypotenuse adjacent to a particular acute angle to the side opposite the angle.
 16. the ratio of the circumference to the diameter of a circle
 17. a term used to describe a function for which every output has only one corresponding input
 18. The test by which it is shown whether a function is a one-to-one function or not, and therefore whether its inverse is a function.
 19. A function with a graph that is symmetric with respect to the y-axis.

22. The set of all outputs of a function or relation.

23. the ratio of the hypotenuse to the shorter side adjacent to an acute angle
 25. the small number outside of a radical sign.

Down

1. the opposite of something
 3. a deductive argument for a mathematical statement. In the argument, other previously established statements, such as theorems, can be used.
 4. a transformation in which a geometric figure is reflected across a line, creating a mirror image
 6. of or relating to or according to the principles of trigonometry
 7. describes a system of equations that has infinitely many solutions.
 8. A function with a graph that is symmetric with respect to the origin

9. A relation which assigns exactly one element in its range for each element in its domain.

10. the unit of plane angle adopted under the System International d'Unites
 12. The set of all inputs for which a function or relation is defined.
 13. the value by which the graph of a trigonometric function such as sine or cosine is stretched
 14. a numerical or constant quantity placed before and multiplying the variable in an algebraic expression
 20. a quantity representing the power to which a given number or expression is to be raised
 21. a circle with a radius of one.
 24. the space between two lines or planes that intersect