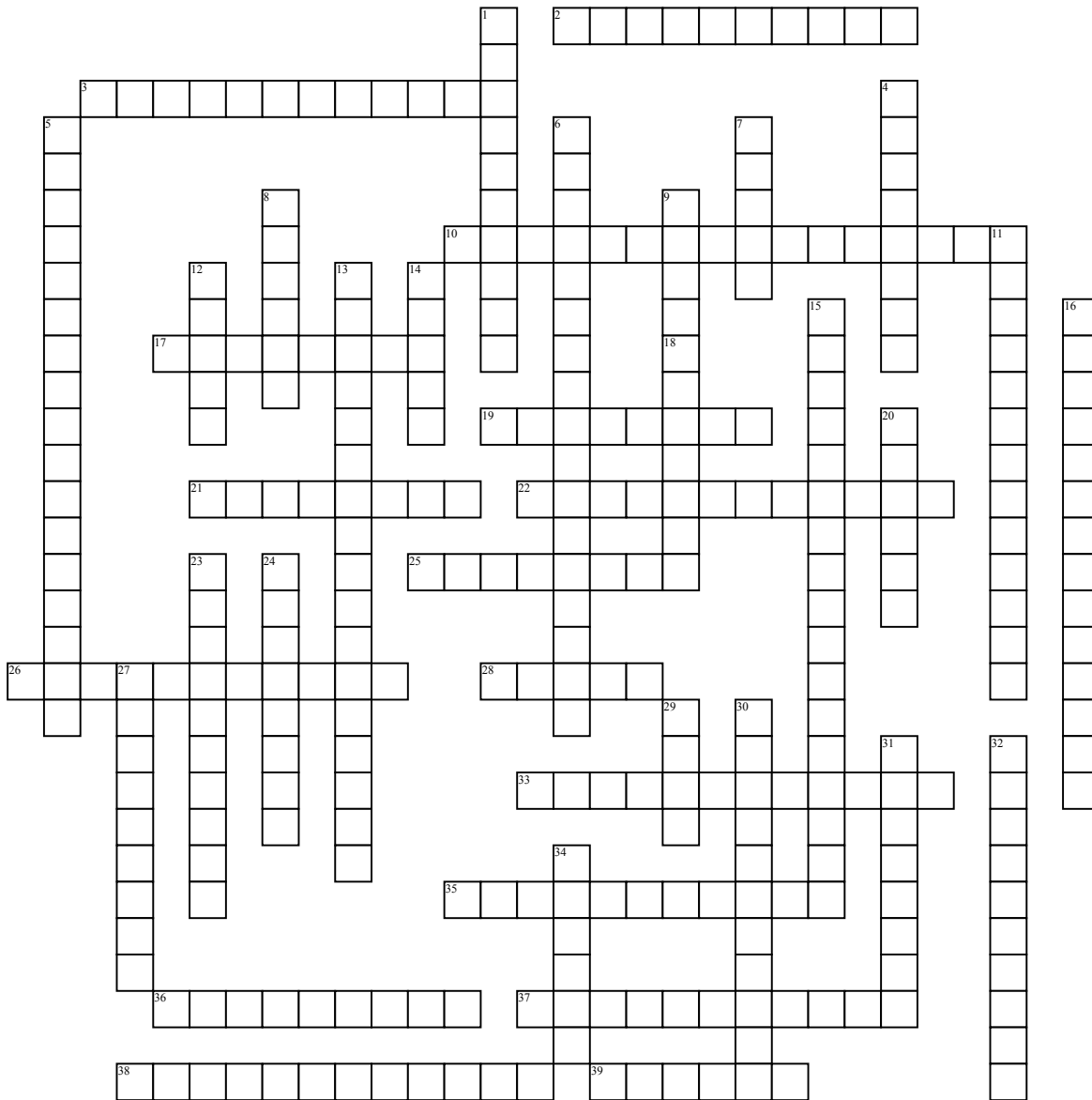


MATH CROSSWORD



Across

2. pairs of terms that have different signs in the middle
 3. type of system that has no solutions
 10. point of a parabola that the axis of symmetry runs through
 17. located under the radical sign; value you take the root of
 18. variable for imaginary number that is the squareroot of -1
 19. the original version of a figure before it undergoes a transformation
 21. a transformation that a figure undergoes where it moves about its center of rotation
 22. the number of times a number is repeated
 25. relationship between values where each value in the domain is paired with only one element in the range
 26. a numerical factor present in front of a term
 28. set of outputs (y-coordinates) in a relation
 33. a type of matrix that contains the same number of columns and rows

35. type of system that has one solution
 36. type of system that has infinitely many solutions
 37. arrangement made in which order matters
 38. value of the expression under the radical sign in the quadratic formula
 39. determined by the exponent of a variable
Down
 1. a type of solution that is obtained from the original problem but does not work as a solution when checked
 4. graph of a quadratic function; curve that points upward or downward
 5. a shortcut for long division of polynomials that can only be used when dividing by a linear term
 6. set of equations that have a common variable
 7. ratio describing the relationship between a vertical change in response to a horizontal change; "rise over run"
 8. set of inputs (x-coordinates) in a relation
 9. selection made where order does not play a role
 11. a number's distance from zero on a number line; the value of a number disregarding its sign

12. a figure after it undergoes a transformation
 13. a function that contains a quadratic term, linear term, and a constant term
 14. indicates degree of root
 15. test to determine whether a relation is a function based on its graph
 16. a line that runs through the middle of a parabola and splits it into symmetrical parts
 20. a set of numbers isolated by brackets
 23. type of systems that have the same solution(s)
 24. a symbol, typically a letter, that stands in for a mathematical value
 27. simplifying an expression to its key factors
 29. another word for x-intercept of a function or root of an equation
 30. all possible outcomes of an event
 31. a transformation that alters the size of a figure
 32. model used to predict the outcome of one or multiple events
 34. highest or lowest point a graph reaches