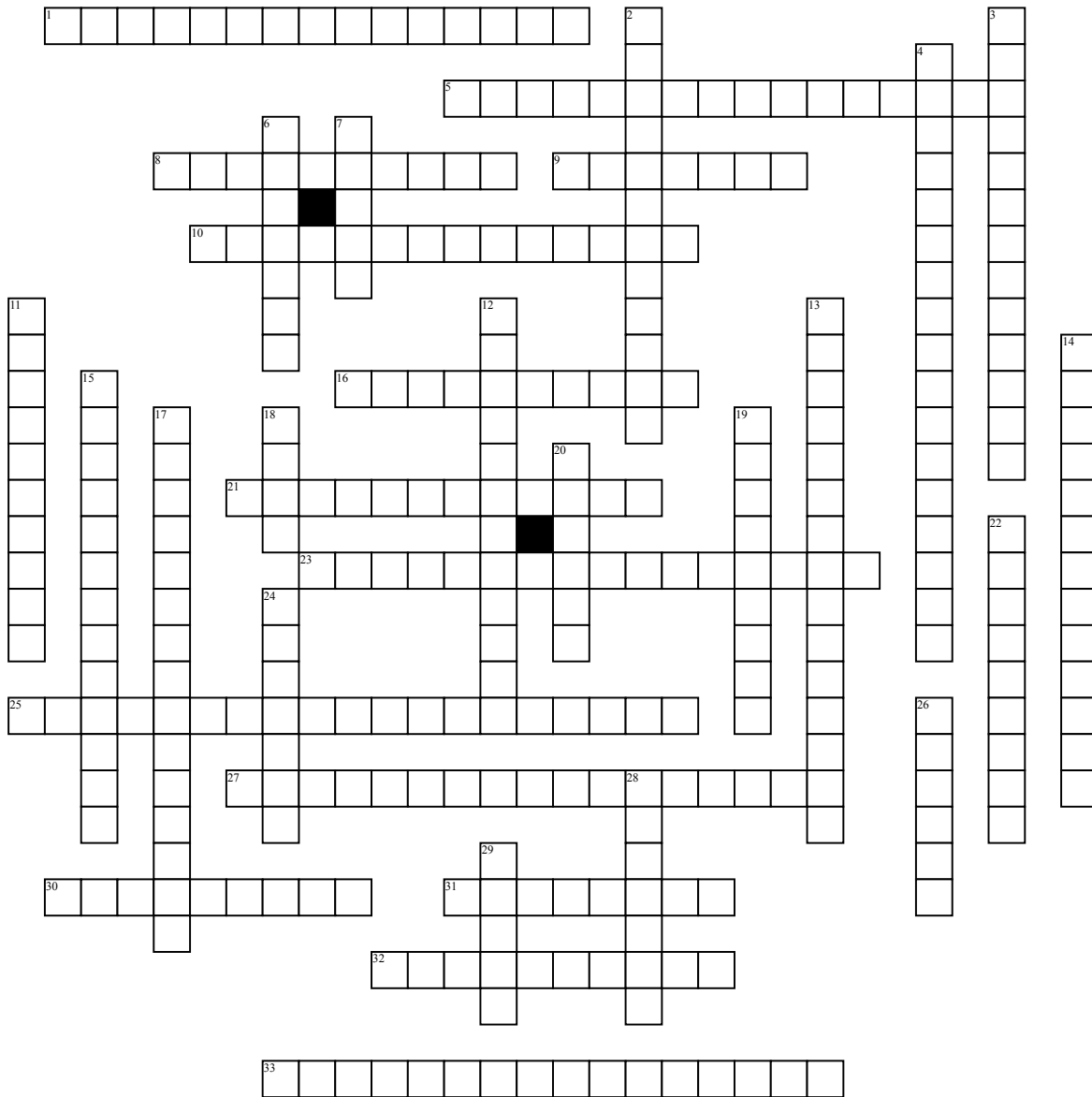


Quadratics Crossword Puzzle



Across

1. The value of only one solution, root, or x-intercept the quadratic equation will have
5. my formula is $ax^2+bx+c=0$
8. When multiplied by itself, gives the number
9. My symbol is $(\sqrt{\quad})$
10. You find me by using the formula $-b/2a$
16. $f(x) = a(x - h)^2 + k$, where (h, k) is the vertex of the parabola
21. Reveals what type of roots the equation has.
23. It simply means to multiply it by itself(binomial)
25. Is a technique used to solve quadratic equations, graph quadratic functions, and evaluate integrals
27. $y = ax^2 + bx + c$, where a, b, and c are numbers and a cannot be 0.
30. Equation that has three terms which are connected by plus or minus notations

31. Number on its own, or sometimes a letter such as a, b or c to stand for a fixed number
 32. Are where the graph crosses the x-axis
 33. The value of two solutions, roots, or x-intercepts the quadratic equation will have
- ## Down
2. Is another way to write slope (as opposed to $y=mx+b$)
 3. One that when squared gives a negative result
 4. $f(x) = ax^2 + bx + c$
 6. The value of a function at a certain point in its domain, which is greater than or equal to the values at all other points
 7. Also sometimes called a root, of a real-, complex- or generally vector-valued function
 11. $x + y$ is $x - y$, where x and y are real numbers. If y is imaginary
 12. 6z means 6 times z, and "z" is a variable, so 6 is a ...
 13. Refers to the number of times a number is multiplied by itself(exponent)

14. The equation of a straight line
15. Is a number that can be expressed in the form $a + bi$, where a and b are real numbers, and i is the imaginary unit
17. The value of not having any solutions, roots, or x-intercepts the quadratic equation will have
18. A technique for distributing two binomials(First, Outer, Inner, Last)
19. A u-shaped curve with certain specific properties
20. Describes a function by displaying inputs and corresponding outputs in tabular form
22. Used to simplify expressions, simplify fractions, and solve equations
24. Vertex at its lowest point
26. A point where two or more curves, lines, or edges meet
28. The shape of a Parabola
29. Are exactly the x-intercepts of the quadratic function