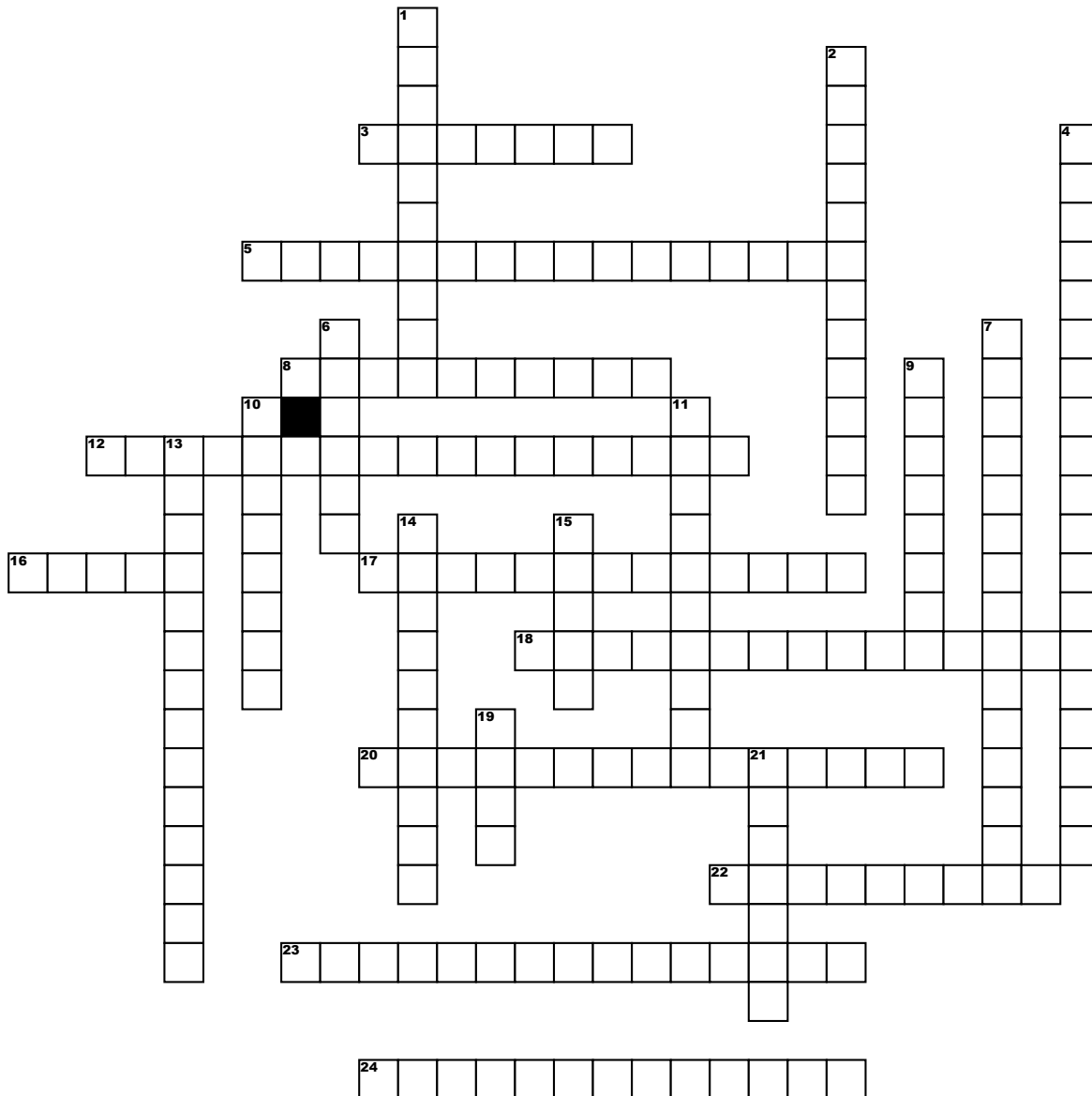


Quadratics crossword puzzle



Across

3. 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 in the immediate vicinity of the point

5. The solution of the quadratic equation

8. A quadratic function is given by $f(x) = a(x-h)^2 + k$

12. One of the form $f(x) = ax^2 + bx + c$, where a , b , and c are numbers with a not equal to zero

16. A number x is another number which when multiplied by itself a given number of times equals x .

17. A number that can be expressed in the form $a+bi$, where a and b are real numbers

18. In other words its discriminant is the expression found under the square root part of the quadratic formula

20. The result should be the two perfect squares multiplied by each other

22. An important process in algebra which is used to simplify expressions, simplify, fractions and solve equations

23. When a number is multiplied by itself a number of times

24. The way of writing the equation of a line so that the slope and y-intercept are immediately apparent

Down

1. A number that produces a specified quantity when multiplied by itself

2. A general term meaning written down in the way most commonly accepted

4. A technique used to solve quadratic equations, graph functions, and evaluate integrals

6. The highest point; the top or apex

7. The discriminant of an equation gives an idea of the roots of the equation

9. A fixed value

10. A math equation that has three terms

11. A binomial formed by negating the second term of a binomial

13. It is the line of symmetry of a parabola and divides a parabola into two equal halves that are reflections of each other about the line of symmetry

14. A constant by which a variable is multiplied

15. 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 .

19. First, outer, inner, last

21. Being in the form of a U