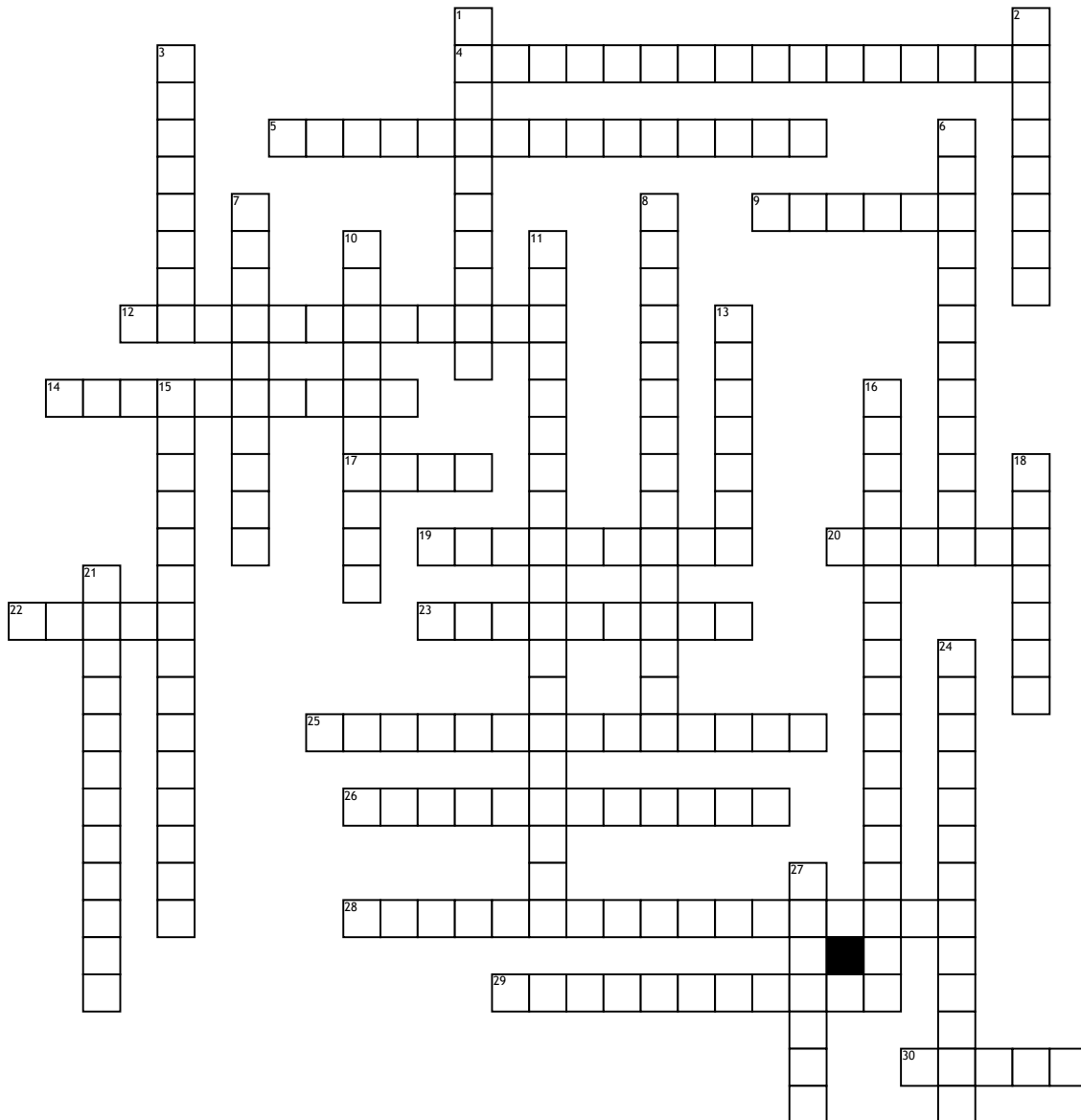


Math Crossword Puzzle



Across

4. Used in algebra to solve quadratic equations
5. When the discriminant is zero you have
9. Numbers or quantities arranged in certain rows and columns
12. Way to write numbers using digits 0-9
14. The value of x at the point where a curve/line crosses the x -axis
17. Order in multiplying pairs First Outer Inner Last such as $(x+1)(x-1)$
19. A math equation that has 3 terms
20. A point on a graph where two points intersect
22. Same as solution to a equation
23. The breaking up of polynomials into simpler terms
25. A line that passes through a figure in such a way that the part of the figure on one side of the line is a mirror reflection of the part on the other side of the line

26. A function such that $f(x)=f(-x)$ where the value remains unchanged if the sign of the independent variable is reversed

28. Method of polynomial division in the special case of dividing by a linear factor

29. A function said to be "odd" if and only if $f(x)$ is a real-valued function of a real variable

30. The additive identity ; the number that when added to another number n , gives n

Down

1. Used to determine what two numbers multiply together to equal X
2. A symmetrical open plane curve formed by the intersection of a cone with a plane parallel to its side. The path of a projectile under the influence of gravity ideally follows a curve of this shape.
3. A value that does not change
6. An equation that gives you an idea of the number of roots and the nature of roots of the equation
7. The value of y at the point where a curve/line crosses the y -axis

8. Lowest point in particular section of graph

10. $y=a(x-h)^2+k$

11. A technique used to solve quadratic equations, graph quadratic functions and evaluate intervals

13. Expression that has a square root, cube root, etc.

15. When there is not a possible answer to a particular equation

16. An equation that results from the reducing number of roots in a given equation with one unknown by dividing the original equation by the difference of the unknown and a root

18. A number that nothing can exceed in that situation

21. A constant that multiplies a variable

24. A number of the form $a+bi$, where a and b are real numbers and i is the imaginary unit

27. The value of a function at a certain point in its domain, which is less than or equal to the values at all other points near this point