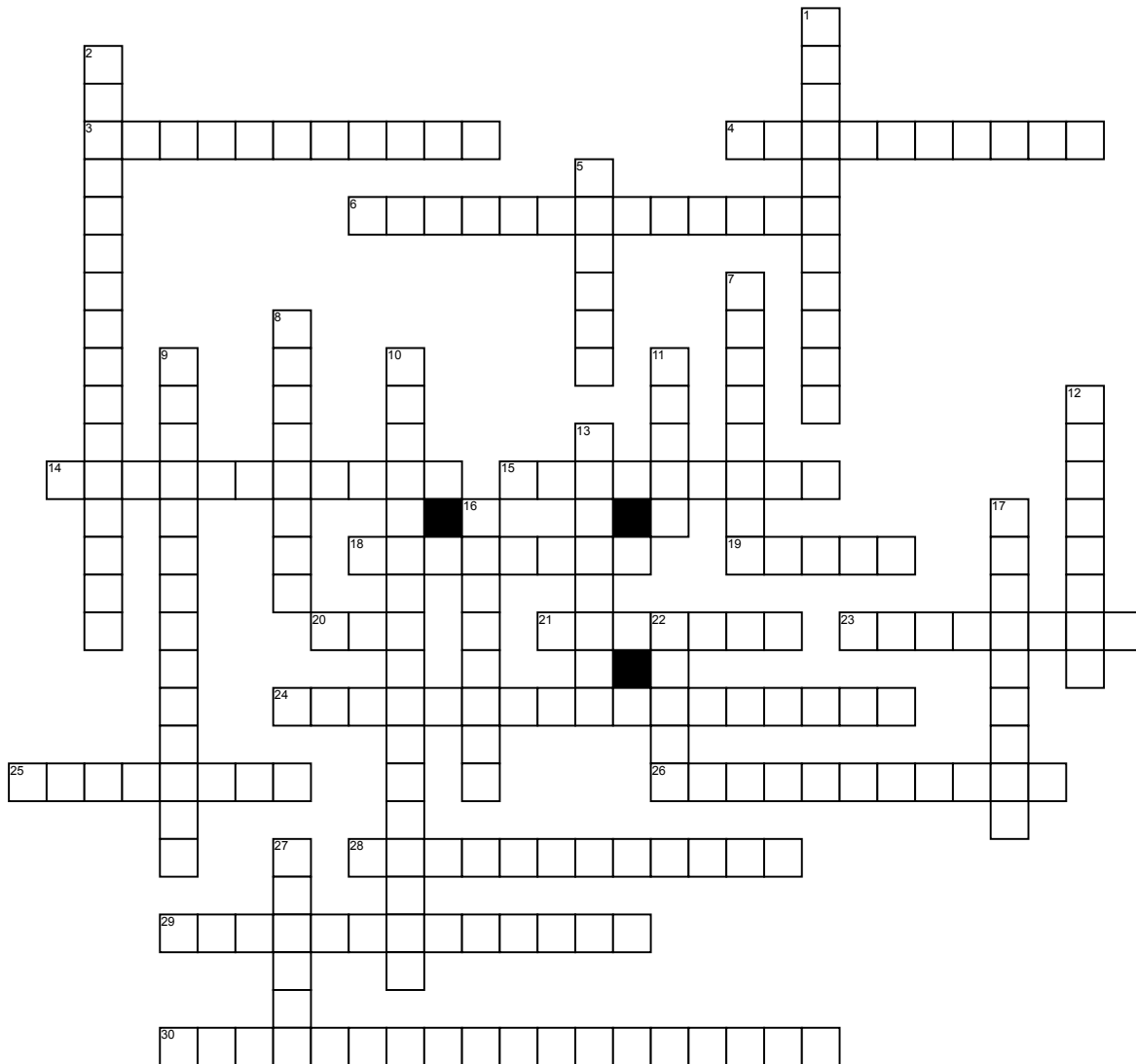


Algebra Crossword Puzzle Part Three



Across

3. A grid used to illustrate values of algebraic expressions.
 4. A sum of monomials. Usually terms with higher powers are written first.
 6. $\text{floor}(x)$ is the closest integer which is less than or equal to x .
 14. Rigid motion by a constant distance in a single direction, with no rotation or reflection.
 15. A number used to describe or summarize data.
 18. An observed value minus its estimated value
 19. The vertical line running through the origin on a coordinate plane.
 20. An unordered collection of numbers or other mathematical objects, without repetitions.

21. An expression that is used to compute a value.
 23. A set of ordered pairs (x,y) .
 24. A number that cannot be written as a fraction $\frac{m}{n}$ where m and n are integers.
 25. More than any finite (real) number
 26. A constant that a variable or expression is multiplied by.
 28. A term that is a constant. For a polynomial in x , it's the term without an x .
 29. The distance a number is from 0.
 30. A sequence of numbers in which each number can be computed by adding the same amount to the previous number.

Down

1. One of the numbers 0, 1, 2, 3, ...
 2. the formula for determining the roots of a quadratic equation from its coefficients

5. A number produced by applying a relation or function to an input.
 7. Repeating pattern or shape.
 8. A letter (like x) that we can use to mean different numbers at different times.
 9. The number of events that satisfy both of two specified criteria.
 10. Increasing rapidly due to a variable in an exponent, such as in $y=2^x$.
 11. The horizontal line running through the origin on a coordinate plane.
 12. A fraction is a part of a whole, like a half, a third, a quarter, etc.
 13. The shape of the graph of $y=x^2$
 16. an algebraic expression of the sum or the difference of two terms.
 17. Rewriting an expression as a product
 22. A polynomial whose leading (first) coefficient is 1.
 27. Revenue minus cost.