Algebra Crossword Puzzle Part Three

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| **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.** 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 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=2x.  **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=x2  **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. |