Algebra Crossword Puzzle Part Three

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|  |  | 2  Q |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | H |  |  |  |  |  |  |  |  |
|  |  | U |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | O |  |  |  |  |  |  |  |  |
|  |  | 3  A | L | G | E | B | R | A | G | R | I | D |  |  |  |  |  |  | 4  P | O | L | Y | N | O | M | I | A | L |  |
|  |  | D |  |  |  |  |  |  |  |  |  |  |  |  | 5  O |  |  |  |  |  | E |  |  |  |  |  |  |  |  |
|  |  | R |  |  |  |  |  |  | 6  F | L | O | O | R | F | U | N | C | T | I | O | N |  |  |  |  |  |  |  |  |
|  |  | A |  |  |  |  |  |  |  |  |  |  |  |  | T |  |  |  |  |  | U |  |  |  |  |  |  |  |  |
|  |  | T |  |  |  |  |  |  |  |  |  |  |  |  | P |  |  |  | 7  S |  | M |  |  |  |  |  |  |  |  |
|  |  | I |  |  |  |  | 8  V |  |  |  |  |  |  |  | U |  |  |  | Y |  | B |  |  |  |  |  |  |  |  |
|  |  | C |  | 9  J |  |  | A |  |  | 10  E |  |  |  |  | T |  | 11  X |  | M |  | E |  |  |  |  |  |  |  |  |
|  |  | F |  | O |  |  | R |  |  | X |  |  |  |  |  |  | A |  | M |  | R |  |  |  |  |  |  | 12  F |  |
|  |  | O |  | I |  |  | I |  |  | P |  |  |  |  | 13  P |  | X |  | E |  |  |  |  |  |  |  |  | R |  |
|  | 14  T | R | A | N | S | L | A | T | I | O | N |  | 15  S | T | A | T | I | S | T | I | C |  |  |  |  |  |  | A |  |
|  |  | M |  | T |  |  | B |  |  | N |  | 16  B |  |  | R |  | S |  | R |  |  |  |  |  |  | 17  F |  | C |  |
|  |  | U |  | F |  |  | L |  | 18  R | E | S | I | D | U | A | L |  |  | 19  Y | A | X | I | S |  |  | A |  | T |  |
|  |  | L |  | R |  |  | E |  |  | N |  | N |  |  | B |  |  |  |  |  |  |  |  |  |  | C |  | I |  |
|  |  | A |  | E |  |  |  | 20  S | E | T |  | O |  | 21  F | O | R | 22  M | U | L | A |  | 23  R | E | L | A | T | I | O | N |
|  |  |  |  | Q |  |  |  |  |  | I |  | M |  |  | L |  | O |  |  |  |  |  |  |  |  | O |  | N |  |
|  |  |  |  | U |  |  | 24  I | R | R | A | T | I | O | N | A | L | N | U | M | B | E | R | S |  |  | R |  |  |  |
|  |  |  |  | E |  |  |  |  |  | L |  | A |  |  |  |  | I |  |  |  |  |  |  |  |  | I |  |  |  |
| 25  I | N | F | I | N | I | T | E |  |  | G |  | L |  |  |  |  | 26  C | O | E | F | F | I | C | I | E | N | T |  |  |
|  |  |  |  | C |  |  |  |  |  | R |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | G |  |  |  |
|  |  |  |  | Y |  |  | 27  P |  | 28  C | O | N | S | T | A | N | T | T | E | R | M |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  | R |  |  | W |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  | 29  A | B | S | O | L | U | T | E | V | A | L | U | E |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  | F |  |  | H |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|  |  |  |  | 30  A | R | I | T | H | M | E | T | I | C | S | E | Q | U | E | N | C | E |  |  |  |  |  |  |  |  |

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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. |