Quadratics/Polynomial Crossword Puzzle

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|  |  |  |  |  |  |  |  | 7Q |  U |  A |  D |  R |  A |  T |  I |  C |  E |  Q |  U |  A |  T |  I |  O |  N |  |  |  |  |  |
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|  |  | 10D |  |  |  |  |  |  |  |  |  |  |  B |  |  M |  |  |  |  |  |  |  |  |  |  M |  |  |  |  |
| 11O |  N |  E |  R |  E |  A |  L |  S |  O |  L |  U |  T |  I |  O |  N |  |  | 12X |  I |  N |  T |  E |  R | 13C |  E |  P |  T |  |  | 14N |
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| 16R |  |  C |  |  |  |  |  | 17S |  T |  A |  N |  D |  A |  R |  D |  F |  O |  R |  M |  | 18S |  |  N |  |  E |  |  |  |  R |
|  E |  |  A |  |  | 19R |  |  |  |  |  |  |  |  |  |  D |  |  |  |  |  |  Y |  |  S |  |  T |  |  |  |  E |
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|  V |  |  R |  | 25M |  A |  X |  I |  M |  U |  M |  | 26Y |  I |  N |  T |  E |  R |  C |  E |  P |  T |  |  |  |  H |  |  R |  |  L |
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|  |  |  | 34T |  W |  O |  R |  E |  A |  L |  S |  O |  L |  U |  T |  I |  O |  N |  S |  |  |  |  |  |  |  |  |  A |  |  |

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| **Across****1.** rational numbers that look alike but have different signs**3.** a number that multiplies times itself**5.** the numerical factor of a monomial**7.** an equation containing at least one squared term**9.** asking 4 questions to break down an equation to its smallest form**11.** crosses the x axis one time**12.** the line crosses the x axis here**17.** Ax+By=C**20.** y=a(x-h)²+k**22.** b²-4ac**25.** highest y-coordinate on a graph**26.** the line crosses the y axis here**27.** a way to distribute two binomials**28.** another name for the solutions of a quadratic equation**29.** a line that goes in an even amount of directions **31.** an equation with 3 terms**32.** a line which splits down the middle of a shape and has equal parts on both sides**33.** the sum of the exponents of the variable in a monomial**34.** crosses the x axis twice | **Down****2.** data arranged in rows and columns**4.** the lowest y-coordinate on a graph**6.** a symmetrical curve beginning at a fixed point**8.** used to make a quadratic equation into a perfect trinomial**10.** a rule that helps a person find the roots of a polynomial by looking at the signs**13.** a monomial that does not contain variables**14.** never crosses the x axis**15.** a line that goes in an odd number of directions**16.** the greatest y-coordinate of nearby points on a graph**18.** a way to divide a polynomial by a binomial**19.** a ¨division symbol¨ with a tail**21.** x equals negative b plus or minus the square root of b² minus 4ac all over 2a**23.** numbers in the form (a=bi) where a and b are real; i is imaginary**24.** the axis of symmetry meets the parabola here**30.** solutions of a quadratic equation |