Quadratics/Polynomial Crossword Puzzle

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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 |