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 |