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Quadratic Vocabulary

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| **Across****3.** 20. members x of the domain of f such that f(x) vanishes at x**4.** 16.a technique used to solve quadratic equations, graph quadratic functions, and evaluate integrals**5.** one of the form f(x) = ax2 + bx + c, where a, b, and c are numbers with a not equal to zero.**9.** 9.the point at which the graph of an equation crosses the x-axis.**12.** 19. the place where the graph has a vertex at its lowest point**14.** 4. an equation containing a single variable of degree 2**15.** 5. is a number used to multiply a variabl**17.** 6. number is a value that, when multiplied by itself, gives the number**18.** 10. A line through a shape so that each side is a mirror image. **19.** 13. one that when squared gives a negative result**20.** 12. An expression that has a square root, cube root, etc. | **Down****1.** 7.a number that can be expressed in the form a + bi, where a and b are real numbers, and i is the imaginary unit **2.** simplify expressions, simplify fractions, and solve equations**6.** 14. where you change the sign in the middle of two terms**7.** 15. a number on its own, or sometimes a letter such as a, b or c to stand for a fixed number**8.** 17. another way of writing the equation of a line.**10.** 2. a plane curve generated by a point moving so that its distance from a fixed point is equal to its distance from a fixed line**11.** 18. the value of a function at a certain point in its domain, which is greater than or equal to the values at all other points in the immediate vicinity of the point**13.** 8.the highest or lowest point, also known as the maximum or minimum of a parabola.**16.** 11. A mathematical expression that is the sum of three monomials |