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Algebra II Definitions

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| **Across**  **3.** Gives solutions, or roots, of equations  **4.** Number from 0 to 1 that is the measure of how likely an event is to occur  **9.** A polynomial with one term  **10.** Unit of angle measure based on arc length  **15.** Reciprocal of the tangent function  **18.** Shape of the graph of a quadratic function  **20.** The reciprocal of the secant function  **22.** Successive terms differ by the same nonzero number d, called the common difference  **23.** A part of the population  **24.** Horizontal line halfway between the maximum and minimum values of the curve  **25.** Also called a pure imaginary number  **26.** Events that occur of one event does not affect the probability of the other event  **27.** Defines the nth term or a general term as a function of n | **Down**  **1.** Arrangement of a group objects in which the order is important  **2.** Geometric sequence that the constant ratio of any term and the previous term  **5.** Number that is equal wo a when it is raised to the nth power  **6.** Trends in the y-values of a function as the x-values approach positive and negative infinity  **7.** Infinite sequence of numbers beginning with 1  **8.** Indicates the sum of the terms of an arithmetic sequence  **11.** every row starts and ends with 1  **12.** The exponent that a specified base must be raised to in order to get a certain value  **13.** Selection of a group of objects in which order is not important  **14.** A monomial or a sum or difference of monomials  **16.** Results from exchanging the input and output values of a one-to-one function  **17.** One of the constants in a function or equation that may be changed  **19.** Logarithm with base e, written as ln  **21.** A polynomial with two terms |