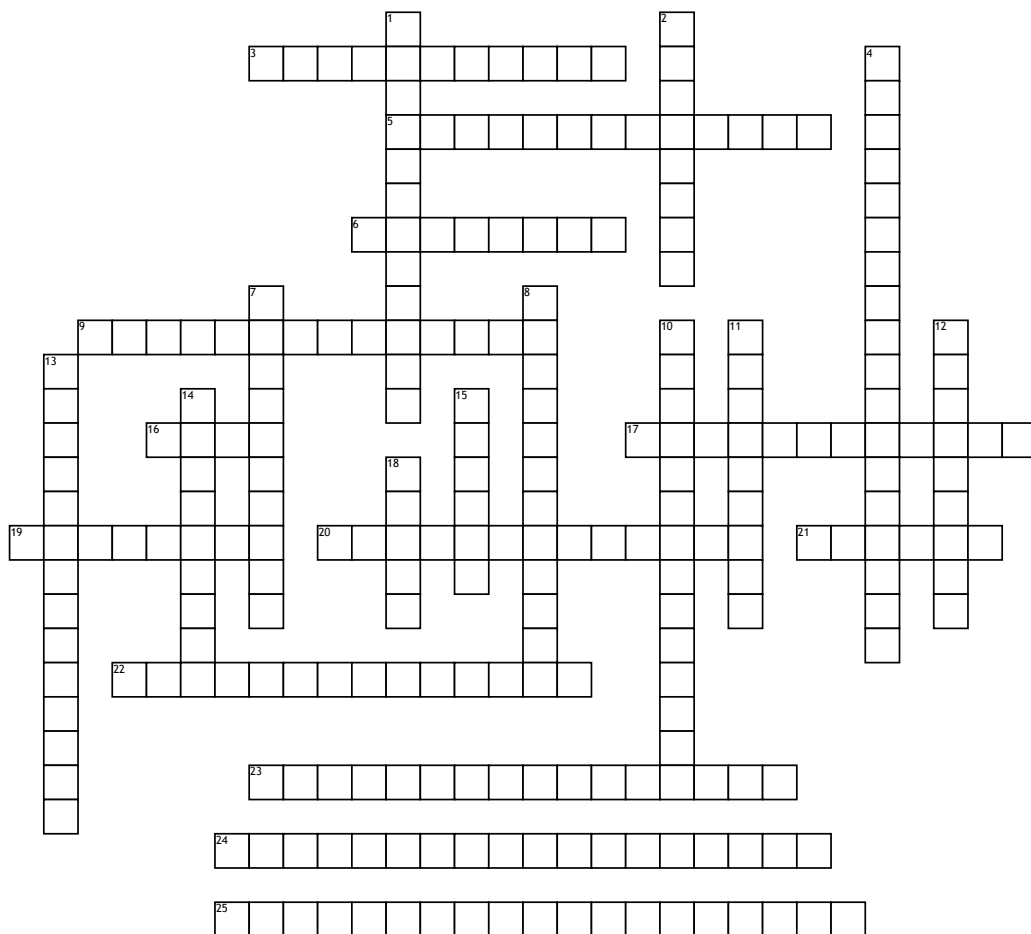


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# Advanced algebra crossword



## Across

3. A compound statement that uses the word or  
 5. A polynomial function of degree 3  
 6. A number or a product of numbers and variables with whole number exponents  
 9. Natural number  
 16. A omitted point on the graph  
 17. A system of equations containing linear equations  
 19. The partial sums approach a fixed number  
 20. The unit in the imaginary number system  
 21. The set of all possible input values of a relation or function

22. number that can be expressed in the form  $a + bi$ , where  $a$  and  $b$  are real numbers, and  $i$  is a solution of the equation  $x^2 = -1$ .  
 23. A set with unlimited or infinite number of elements  
 24. The coefficient of the first term in polynomial standard form  
 25. An equation that contains one or more exponential expressions

## Down

1. An algebraic expression that defines a function  
 2. A relation in which every input is paired with exactly one output  
 4. Degree with the highest polynomial  
 7.  $t$  is, the point where the line crosses the vertical  $y$ -axis).

8. The base  $1+r$  in an exponential expression

10. A line described by the equation  $y=b$   
 11. the number above the line in a common fraction showing how many of the parts indicated by the denominator  
 12. The process of writing a number or algebraic expression  
 13. A line described the equation  $y= b$   
 14. A exponent that must be raised in order to get a certain value  
 15. Rectangular array of numbers  
 18. a diagram showing the relation between variable quantities, typically of two variables, each measured along one of a pair of axes at right angles.

## Word Bank

Exponential equation	degree of polynomial	Monomial	Domain	Graph
Linear system	Converge	Imaginary unit	Complex numbers	Horizontal line
disjunction	Infinite sequence	Numerator	Hole	Y intercept
Horizontal line	Counting number	Factoring	Cubic function	Function
Growth factor	Leading coefficient	Logarithm	Function rule	Matrix