

Algebra 2 1st Semester Exam Vocabulary

- 1.) Matrix A rectangular array of numbers written within brackets
- 2.) Element Each number in a matrix
- 3.) Matrix Addition What you perform on matrices of equal dimensions by adding the corresponding elements
- 4.) Equal Matrices Matrices with the same dimensions and equal corresponding elements
- 5.) Scalar Multiplication Multiplies a matrix by a scalar
- 6.) Matrix Multiplication Multiplying the number of Rows by the number of Columns
- 7.) Dimensions The number of Rows by the number of Columns
- 8.) Preimage the original image
- 9.) Image The transformed figure
- 10.) Dilation Changes the size of a figure
- 11.) Determinant The value of $ad-bc$
- 12.) Cramer's Rule A method of solving a system of equations using the determinants
- 13.) Simplest Form When a fraction is reduced as much as possible
- 14.) Complex fraction A fraction with a fraction in the numerator and/or denominator
- 15.) Keep-Change-Flip The method used for dividing fractions
- 16.) LCD The least common denominator
- 17.) Rational Function A function that can be written as $P(x)/Q(x)$
- 18.) Recursive formula Defines the terms in a sequence by relating each term to the ones before it
- 19.) Explicit formula A formula that expresses the n th term in terms of n
- 20.) Common Difference The value added to each term in an arithmetic sequence
- 21.) Common Ratio The value multiplied to each term in a Geometric sequence
- 22.) d The common difference
- 23.) r The common ratio
- 24.) Arithmetic mean Adding two terms together and dividing by 2 to find the middle term
- 25.) Geometric mean Multiplying two terms together and then taking the square root to find the middle term