**Department: Mathematics Course: Algebra 2/College Algebra 2016-2017**

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| **WORDS** | **Basic Definition** | **Comprehension Support** |
| coefficient | The numerical factor in a term |  |
| evaluate | To substitute a number for each variable in the expression, then simplify |  |
| solve | To find the numerical value for a variable |  |
| variable | A symbol, usually a letter, that represents one or more numbers |  |
| term | A number, a variable, or the product of numbers and one or more variables |  |
| expression | A collection of terms that does NOT contain an equal sign |  |
| function | A relation in which each element of the domain corresponds with exactly one element in the range |  |
| domain | The set of all inputs, or x-coordinates, of the ordered pairs |  |
| range | The set of all outputs, or y-coordinates, of the ordered pairs |  |
| vertex | A point where the function reaches a maximum or minimum value |  |
| inequality | A relationship in which two quantities may not be equal |  |
| Dependent system | A system of equations that does not have a unique solution |  |
| Independent system | A system of linear equations that has a unique solution |  |
| Inconsistent system | A system of equations that has no solution |  |
| constraint | Restrictions on the variables of the objective function in a linear programming problem |  |
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| polynomial | A monomial or sum of monomials |  |
| index | With a radical sign, the index indicates the degree of the root |  |
| radical | A root |  |
| rational | fraction |  |
| Root or zero | The input value for which the value of the function is zero |  |
| exponent | powers |  |
| logarithm | The logarithm base b or a positive number x is defined as follows: logbx=y, if and only if x=by |  |
| asymptote | A line that a graph approaches as x or y increases in absolute value |  |
| sequence | An ordered list of numbers |  |
| series | The sum of the terms of a sequence |  |
| Conic section | A curve formed by the intersection of a plane and a double cone |  |
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