

Unit: 2. Exponential and Radical Functions

VOCABULARY

algebraic expression	a mathematical expression containing one or more variables
base	the number which is repeated as a factor in an exponential expression
common ratio	the fixed amount multiplied by a term to get to the next term in a geometric sequence
evaluate	to find the numerical value of
exponent	the (superscript) number in an exponential expression which tells how many times a factor is repeated
extraneous root	a value arrived at when solving an equation that does not check
geometric sequence	a sequence in which there is a common ratio between the terms
index	the small number preceding a radical symbol that indicates the desired root of the radicand
irrational number	a number with an infinite decimal representation that does not repeat
like radicals	expressions having the same root index and the same radicand
radical equation	an equation that has a variable in the radicand
radical expression	an expression that contains a radical; $\sqrt{7}$ and $\sqrt{21}y$ are examples of radical expressions

radicand	the expression under a radical symbol
rationalize	eliminate the radical from the denominator of a fraction
rational number	a number that can be written as a ratio of two integers in the form A/B where $B \neq 0$
scientific notation	the method of writing very large or small numbers as a product of a number equal to or greater than 1 and less than 10 by a power of 10
sequence	a set of numbers that follows a pattern, with a specific first number
substitute	replacing a quantity with its equal
term	an individual quantity or number in a sequence
variable	a letter or symbol used to represent an unknown