Name: _____

Describing Mathematical Statements and Phrases

Term	Definition	Example
algebraic expression or equation	an expression or equation that contains at least one variable	$\frac{1}{2}k + 7$ (expression) $j + 2 = 10$ (equation)
coefficient	the numeral factor a variable is multiplied by **Note:** *when no numeral is placed before a variable, its coefficient is 1.*	$2p + 5$ 2 is the coefficient
constant	a term with a fixed quantity because it has no variable	$3c + 4$ 4 is the constant
difference	the result of subtracting one number or quantity from another number or quantity	$w - 12 = 31$ 31 is the difference
equation	a mathematical statement using an $=$ sign to show two expressions are equal	$9e = 72$

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product	the result of multiplying two or more numbers or quantities	$6 \times 7 = 18$ 18 is the product
quotient	the result of dividing two numbers or quantities	$\frac{27}{g} = 9$ 9 is the quotient
sum	the result of adding two or more numbers or quantities	$m + n + 6 = 15$ 15 is the sum
term	a number, variable, or combination of them in an expression separated from one another by a $+$ or $-$ sign	$t + 2s - 1$ t, $2s$, and 1 are all terms
variable	a letter that represents an unknown number or quantity **Note:** *the value of **independent** variables can be changed at will. The value of **dependent** variables relies on the value of another number.*	$10x + 10 = y$ x and y are variables. x is independent. y is dependent.

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