

## Vocabulary for Algebraic Expressions Guided Notes

$3a + 4y - 6$  “ ____ ” and “ ____ ” are the <b>variables</b>  <b>A variable</b> is a letter or symbol that represents a number.	$3a + 4y - 6$  There are 3 <b>terms</b> : ____, ____, and ____  <b>A term</b> is either a _____ or _____ or the product of several numbers or variables, separated from another term by a plus or minus sign in an overall expression.
$3a + 4y - 6$  <ul style="list-style-type: none"><li>• ____ and ____ are <b>coefficients</b></li><li>• They explain how many of that variable the term contains There are ____ a's and ____ y's</li></ul> <b>A coefficient</b> is the number before the variable that expresses how many of each variable there are.	$3a + 4y - 6$  <ul style="list-style-type: none"><li>• ____ is the <b>constant</b></li><li>• The value of the term 6 will always be ____</li><li>• The values of the other terms can change depending on the values assigned to the _____</li></ul> <b>A constant</b> is a value that does not change.
$3(2 + 6)$  <ul style="list-style-type: none"><li>• Can be described as the product of two factors: 3 and (____ + ____). (A <i>factor</i> is one of the numbers that can be multiplied together to get the product)</li><li>• The quantity (____ + ____) is viewed as one factor consisting of two terms</li></ul> <b>A quantity</b> is a specified or indefinite amount of something.	Additional Notes:  <ul style="list-style-type: none"><li>• A Quantity is _____ _____</li></ul>

Guided Practice:

Label the following parts in the algebraic expression:

- a) Terms
- b) Operations
- c) Variables
- d) Coefficients
- e) Constant

$$\frac{3y + 8z}{15}$$

True or False?

$3(x + 4)$   
can be stated as both:

“the product of 3 and the sum of x and 4”

AND

“three times the quantity of x and 4”