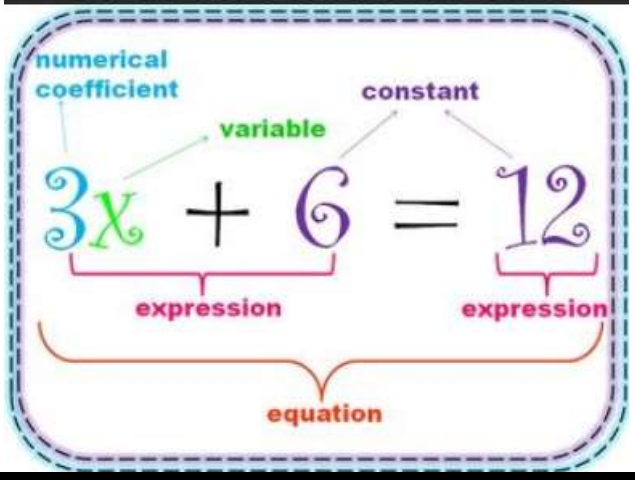
Name: _____ Date: _____

Ms. Napolitano CCSS:_____

I Can _____

Day 6_ Student's Classwork



Independent Practice

1) Answer the following questions based on the expression $4e^4 + 11y - 5g + 3x + 2$

a) State the number of terms.

Answer: _____

b) State the constant.

Answer: _____

c) Determine the sum of the coefficients.

Answer: _____

2) Answer the following questions based on the expression $3d - 5 + 6d^2 + 11c$.

a) State the number of terms.

Answer: _____

b) State the constant.

Answer: _____

c) Determine the sum of the coefficients.

Answer: _____

3) Error Analysis:

Ms. Napolitano asked the class to determine the sum of the coefficients in the expression, $7g + 9p^3 - 5 - 6xy$. Kevin said the sum of the coefficients is 23. Zaire said the sum of the coefficients is 5 and Angelina said the answer is 10. Who is correct? Justify your answer.

Directions: For the examples below state the number of terms and list the coefficients, variables, and constants.

Example #1	***Example #2***	**Example #3**
$5p + 4$	**$7w + w^3$**	**$9k^4 + 8k - 11$**
Number of terms:	Number of terms:	Number of terms:
List the terms:	List the terms:	List the terms:
Coefficients:	Coefficients:	Coefficients:
Variables :	Variables :	Variables :
Constants :	Constants :	Constants :
Example #4	**Example #5**	**Example #6**
$8b - x + 19$	$\frac{2c}{9}$	**$4k - 9p - 1 + k^2$**
Number of terms:	Number of terms:	Number of terms:
List the terms:	List the terms:	List the terms:
Coefficients:	Coefficients:	Coefficients:
Variables :	Variables :	Variables :
Constants :	Constants :	Constants :

Example #7:

3. Sarah was asked to identify all coefficients and constants of the expression $4 + n + 7m$. She said that 4 is a constant, and 7 is a coefficient.

What is her error?

a. She did not include the constant 1.
b. She said 4 is a constant. It is actually a coefficient.
c. She did not include the coefficient 1.
d. She said 7 is a coefficient. It is actually a constant.

Example #8: Determine the sum of each of the examples coefficients. Which algebraic expression has the greatest value sum of coefficients?

$6p + 1$	**$w + 10w^3$**	**$13k^4 + 12k - 5$**
Sum:	Sum:	Sum:

The ***algebraic expression*** _____has the greatest sum of coefficients.

Independent Practice

1

Name the underlined part

$6x^2 + 3y + \underline{16}$

Answer:

2

Identify the coefficients

$8 + 3z + 7b + 13$

Answer:

3

Identify the terms

$90 + 18w + 3h + 14$

Answer:

4

Name the underlined part

$\underline{r} + 10x^2 + 4d^3 + 3$

Answer:

5

Identify the exponents

$t^2 + 8 + p^3 + u^5$

Answer:

6

Identify the constants

$12n + 7 + 13k^4 + 4 + 39z$

Answer:

7

Name the underlined part

$50 + 23z + \underline{3}f + 17$

Answer:

8

Identify the terms

$5y + 87 + 15z + 2$

Answer:

9

Name the underlined part

$18x + j + 45 + 1^{\underline{8}}$

Answer:

10

Identify the coefficients

$7x + 90 + 67y^2 + 11p + 1$

Answer:

11

Identify the exponents

$86 + g^6 + m^3 + 91$

Answer:

12

Name the underlined part

$\underline{3r} + 10 + 73s^3 + 5$

Answer:

13

Name the underlined part

$v + 6 + 7\underline{w} + 13k^2 + 8$

Answer:

14

Identify the terms

$82b + 3u^2 + 7 + 41h + 54$

Answer:

15

Identify the coefficients

$y + 8 + 9r + 2g + 22$

Answer:

16

Name the underlined part

$4 + 6b^{\underline{5}} + w + 7h^2 + r$

Answer:

17

Name the underlined part

$6u + \underline{19} + r^7 + 28c^4 + 88$

Answer:

18

Identify the constants

$21 + 60j + 8 + 55p^3 + 3$

Answer: