

GSE Algebra I

Name \_\_\_\_\_

Warm-up - Interpreting an Expression

For the following expressions, identify each piece.

Question	$5x^2 + 4x + 3$	$-14xy^3 + 5.2xy - 6 + 7x$
How Many Terms?	3	4
Name the Terms	$5x^2, 4x, 3$	$-14xy^3, 5.2xy, -6, 7x$
* Name the Coefficient(s)	$\rightarrow 5, 4$	$-14, 5.2, 7$
* Name the Constant(s)	3	-6
Name the Factors	$5 \cdot x^2, 4 \cdot x, 1 \cdot 3$ $5 \cdot x \cdot x, 2 \cdot 2 \cdot x$	$-14 \cdot x \cdot y^3, 5.2 \cdot x \cdot y$ $3 \cdot 2, 7 \cdot x$

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Skills Check - Interpreting an Expression

For the following expressions, identify each piece.

Question	$5x^2 + 4x + 3$	$-14xy^3 + 5.2xy - 6 + 7x$
How Many Terms?	3	4
Name the Terms	$5x^2, 4x, 3$	$-14xy^3, 5.2xy, -6, 7x$
* Name the <u>Coefficient(s)</u> Numbers	5, 4	$-14, 5.2, 7$
Name the Constant(s)	3	-6
Name the Factors	$5 \cdot x^2 \mid 4 \cdot x \mid 1 \cdot 3$ $5 \cdot x \cdot x \mid 2 \cdot 2 \cdot x \mid$	$-14 \cdot x \cdot y^3 \mid 5.2 \cdot x \cdot y$ $-6 \cdot 1 \mid 7 \cdot x$ $-3 \cdot 2$

Write an algebraic expression that represents the given statement.

1. The difference of four times a number and 13

$$4x - 13$$

2. The sum of x and y squared

$$x + y^2$$

3. Seven less than the product of twelve and a number

$$12a - 7$$

~~$$7 - 12a$$~~

Write an algebraic expression that represents the given statement.

1. The difference of four times a number and 13

2. The sum of x and y squared

3. Seven less than the product of twelve and a number