Monomial		
A MONOMIAL IS AN EXPRESSION CONTAINING NON-NEGATIVE AND NON- RACTIONAL INTEGER POWERS OF THE VARIABLES, THE NUMBERS, AND HAVING JUST ONE TERM. IT HAS NO VARIABLE IN THE DENOMINATOR.		Interpret the context
EXAMPLES: -50 20A -20X ² Y3	18XY	of the
Polynomial		expressions
A POLYNOMIAL IS AN EXPRESSION C FRACTIONAL INTEGER POWERS OF T	CONTAINING NON-NEGATIVE AND NON- THE VARIABLES, THE NUMBERS, AND	
DENOMINATOR. EXAMPLES: $16X-12Y$ $8X^2Y+3X-4Y+2$ $12X^2Y^3+3XY+4Y-6XY-10$		Degree of a Monomial or a Polynomial
Finding Number of Terms Example: 3x-4xy+5x ² y-2?	Finding Degree of Polynomial Example: 3x-4xy ² +5x ² y ³ -2?	THE DEGREE OF A MONOMIAL IS THE SUM OF THE EXPONENTS OF
The number of terms is 4. It can be found out by counting the terms separated by addition and subtraction.	The degree of the polynomial is the highest degree of the terms involved. $3x 4xy 5x^2y^3 2$ $degree=1 degree=2 degree=5 degree=0$ $Hence, \ degree \ of \ the \ given \ polynomial \ is \ 5.$	INVOLVED IN IT. THE DEGREE OF A POLYNOMIAL IS THE HIGHEST DEGREE OF ITS TERMS.
		EXAMPLES: 4 DEGREE=0 8X ² Y DEGREE=3

Classification of the Expressions as monomial, binomial or trinomial

Example: $2xy+4y^2+5x^2y$

The expression can be classified as either monomial, binomial or trinomial. It just depends on the number of terms in the expression.

There are three terms present in the given expression which have been separated by either addition or subtraction.

Hence, the given expression is trinomial as there are three terms.

3X-2Y+4XY²+3X²Y³ DEGREE=5

 $2X-2XY+3X^{2}Y-3$

DEGREE=3

Meets: Common Core Standard High School – HAS-SSE.A.1a

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