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Polynomial Operations			
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ocabulary Standard Form:	Dograp of a Dolynomials	Tormi	
<u>Standard Form:</u>	Degree of a Polynomial:	<u>Term:</u>	
Coefficient:	<u>Factors:</u>	Constant:	
dding Polynomials			
o add polynomials,	Identify all the terms		
(19x + 12x + 12) + (7x + 10x + 13)	identity all the terms		
	Identify any constants		
	Classify by the number of		
	terms		
	Determine whether the		
	expression is a quadratic		
The fence surrounds a park in the shape of a	expression Identify all the terms		
pentagon. The side lengths of the park in feet	identity all the terms		
are given by the expressions	Identify any constants		
$2x^2$ , $3x + 1$ , $3x + 2$ , $4x$ and $5x - 3$ . Find an	, ,		
expression for the perimeter of the park.	Classify by the number of		
	terms		
	Determine whether the		
	expression is a quadratic		
	expression		
ubtracting Polynomials			
o subtract polynomials,	Library all the control		
$(17x^2 + 7x - 14) - (-6x^3 - 5x - 18)$	Identify all the terms		
	Identify any constants		
	racritiny arry constants		
	Classify by the number of		
	terms		
	Delegation 1 at 1		
	Determine whether the		
	expression is a quadratic expression		
	CAPI COSION		

For a rectangle with length of $3x + 4$ and perimeter of $10x + 10$ , what is the width of	Identify a	all the terms		
the rectangle?	Identify any constants			
	Classify by the number of terms			
	Determine whether the			
		on is a quadratic		
	expression	on		
Multiplying Polynomials  To multiply polynomials,				
$4x(3x^2 - 5x + 10)$		$(x+5)(x^2-6x+3)$		
Practice				
6(x-1) - x(3-2x) + 12	Identify all the terms  Identify any constants  Classify by the number of terms  Determine whether the			
		on is a quadratic		
	expression			
Translate the verbal expression "take triple the difference of 12 and the square of x, then increase the results by the sum of 3 and x" into an algebraic expression. Identify the		house. The base of	ecorate the triangular deck behind her the triangle is 10 meters shorter than are the terms and coefficients of the	
terms, coefficients, and constants of the given expression. Is the expression quadratic?		quadratic expression that represents the area of the deck to be decorated?		
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