Name	
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LIOUL	

I can add and subtract polynomials.

Level 1-Beginning

Simplify Each Expression

(x+4)+(x+5)	(x+6)-(x+7)	(x-8)+(2x+10)	(x - 4)-(3x -5)

Level 2- Developing

		1 / / / 0 2 / / 17 / / / / 11 / /
$(2x^2 + 6) + (6x^2 + 6)$	$(8x^3 + 9x^2 - 6) + (10x^3 + x^2 - 21)$	$(-4x^4 + 9x^3 + 6x) - (7x^4 + 4x^3 - 11x)$
(2x-10) (0x . 0)	(OX - 7X - 0) (1-0X - X - 1)	
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1		

Level 3- Proficient

$(4 - 7x^2 + 9x^4 - 7x) + (2x - 12 + 8x^2)$	$(-9x^2 - 4x + 2) - (8x^3 + 8x - 3 + 15x^2)$
$(3 - 7x^3 + 8x^4 - 13x) - (4 - 9x^2 + 4x^4 - 12x)$	$(-3x^3 + x^2 - x) + (5 - 2x^2 + 6x^3 - 4x)$

Level 4- Mastery

Find the Perimeter	The side length of a square is $3x^2 + x$. Find the perimeter.	The length of a rectangle is $(4x^2 - x^3 + 5)$ and the width is
x+3	'	$(7x^3-x^2)$. Find the perimeter.
× ² -1		
× 2x+4		1

I can multiply polynomials.

Level 1- Beginning

Level 2 -Developing

$2x(6x^2 + 9x + 2)$	$5x^3(x^2-3x+8)$	-x6(3x -4)	$x^2y^3(2xy^2-8y^2)$

Level 3- Proficient

$(3x^2-5)(2x-x)$	$(2x+3)^2$
	·

$(3x+4)(3x^2+2x+5)$	$(-2x^3+8)(2x^2-4x+1)$
	·
Level 4- Mastery	
LOVOI - Mastory	
Mrs. Lutsic is building an ice skating rink in her be $2x^3 + 8x + 2$ and the width of the rectangle is a Determine the expression to represent the area.	$3x^2 - 9$.
If x=2 feet, what is the area?	
Hadeel is building a square shaped pen to kee	p her new mini horses. The sides of the pen are
represented by 2x ² -5.	
Determine an expression to represent the area	of the pen.
	The second secon
If x=3 feet, what is the area?	

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