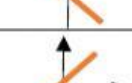
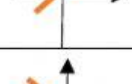
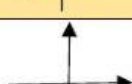
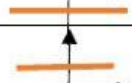
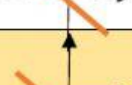


ALGEBRATOR N° 1 (IV Bim)		score: /10	
Criterio B			
Bii: Describir patrones como relaciones y/o reglas generales coherentes con los hallazgos			
$(2x+3)^3 =$	$(2x)^3 + 3(2x)(3)^3 + 3(2x)^3(3) + (3)^3$	$f(x) = 8x$	
	$(2x)^3 + 3(2x)^2(3) + 3(2x)(3)^2 + (3)^3$		
			
$(5x^2 - 4)^2$	$10x^4 + 20x^2 + 16$	$f(x) = -x - 5$	
	$x^4 - 25x^2 + 16$		
	$25x^4 - 40x^2 + 16$		
$(x^9 - 17)(x^9 + 17)$	$x^{81} - 289$	$f(x) = 7x + 9$	
	$x^{18} - 298$		
	$x^{18} - 17^2$		
$(3x + 10)^2$	$3^2x^2 - 30x + 100$	$G(x) = 11$	
	$3^2x^2 + 60x + 10^2$		
	$9x^2 + 13x + 100$		
$x^3 + m^3 =$	$(x - m)(x^2 + xm + m^2)$	$H(x) = -7 + x$	
	$(x + m)(x^2 + xm + m^2)$		
	$(x)^3 + 3(x)^2(m) + 3(x)(m)^2 + (m)^3$		
$(x^8 - 121)$	$(x - 11)(x + 11)$	$F(x) = 16x - 2$	$m = 16$ $n = 2$
	$(x^4 + 11)(x^4 - 11)$		$m = 16$ $n = -2$
			$m = -2$ $n = 16$
$64 - x^{12}$	$(8 + x^6)(8 - x^6)$	$G(x) = 23x$	$m = 0$

			n=23
	$(4-x^3)(4+x^3)$		m=23 n= 23
	$(32+x^6)(32-x^6)$		m=23 n= 0
$(x+20)(x+3)$	$X^2+60x+23$	$H(x)= 30$	m=30 n= 0
	$X^2+23x+60$		m= 0 n= 30
	$X^2+ 17x +60$		m=30 n=30
$(x^7y^3-14)(x^7y^3+14)$	$X^{14}Y^9-169$	$f(x) = -x +7$	m=-1 n=7
	$X^{49}Y^9-196$		m=7 n= -1
	$X^{14}Y^6-14^2$		m= -0 n= 7
$8m^3+27y^{15}$	$(2m^3+3y^5) (4m^6+6m^3y^5+9y^{10})$	$G(x)= -2x -10$	m=-10 n=-2
	$(8x)^3+3(8x)^2(27y^{15})+3(8x)(27y)^2+(27y)^3$		m=2 n= 10
	$(2m + 3y^5)(4m^2+6my^5+9y^{10})$		m=-2 n= -10

Importante: Este documento se elabora sin realizar ninguna operación, esta es su exigencia. Todas las respuestas se conocen o son de cálculo mental.

No debe exceder el tiempo indicado en aula.