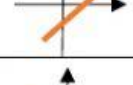
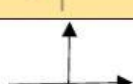
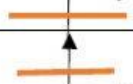
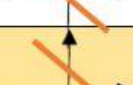


ALGEBRATOR N° 3 (IV Bim)		score: /10	
Criterio B			
Bii: Describir patrones como relaciones y/o reglas generales coherentes con los hallazgos			
$(3x - 2)^3 =$	$(2x)^3 - 3(3x)(2)^2 + 3(3x)^2(2) - (3)^3$	$f(x) = -5x$	
	$(3x)^3 - 3(3x)^2(2) + 3(3x)(2)^2 - (2)^3$		
			
$(5x^2 + 3)^2$	$10x^4 + 15x^2 + 9$	$f(x) = 3x - 8$	
	$25x^4 - 30x^2 + 9$		
	$25x^4 - 40x^2 + 6$		
$(x^{10} - 12)(x^{10} + 12)$	$x^{100} - 144$	$f(x) = 7x + 1$	
	$x^{20} + 144$		
	$x^{20} - 12^2$		
$(6x - 10)^2$	$6^2x^2 - 120x + 100$	$G(x) = 27$	
	$6^2x^2 - 60x + 10^2$		
	$36x^2 + 60x + 100$		
$4^3 + m^3 =$	$(2 - m)(4 + 2m + m^2)$	$H(x) = 10 - 2x$	
	$(4 + m)(4^2 - 4m + m^2)$		
	$(4)^3 + 3(4)^2(m) + 3(4)(m)^2 + (m)^3$		
$(x^{12} - 81)$	$(x^6 - 9)(x^6 + 9)$	$F(x) = x - 9$	$m = 0$ $n = -9$
	$(x^4 + 9)(x^4 - 9)$		$m = 1$ $n = -9$
			$m = -9$ $n = 1$
$169 - x^{18}$	$(14 + x^6)(14 - x^6)$		$m = 0,6$

		$G(x) = \frac{3}{5}x$	$n=0$
	$(16-x^3)(16+x^3)$		$m=2/5$ $n=1$
	$(13+x^9)(13-x^9)$		$m=0$ $n=3/5$
$(x+14)(x+2)$	$X^2+28x+16$	$H(x)=0,75$	$m=0,25$ $n=0$
	$X^2+16x+28$		$m=0,75$ $n=0$
	$X^2+12x+28$		$m=0$ $n=0,75$
$(x^5y^8-7)(x^5y^8+7)$	$X^{25}Y^{64}-14$	$f(x) = -3x + 19$	$m=-3$ $n=19$
	$X^{10}Y^{16}-49$		$m=19$ $n=-3$
	$X^{25}Y^{64}-7^2$		$m=3$ $n=19$
$64m^3+343y^{15}$	$(8m^3+7y^5)(64m^6+56m^3y^5+49y^{10})$	$G(x) = -7x - 13$	$m=-13$ $n=-7$
	$(64m)^3+3(64m)^2(7^3y^{15})+3(64m)(343y)^2+(343y)^3$		$m=-7$ $n=-13$
	$(4m+7y^5)(4^2m^2+28my^5+49y^{10})$		$m=-7$ $n=13$

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.