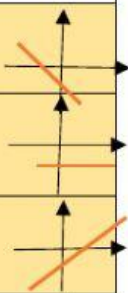
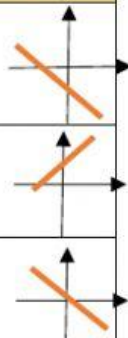
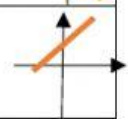
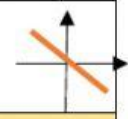
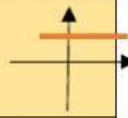
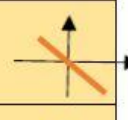
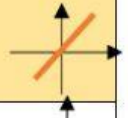
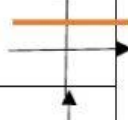
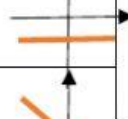
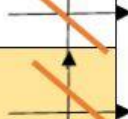
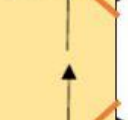
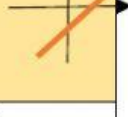


ALGEBRATOR N° 5 (IV Bim)		score: /10	
Criterio B			
Bii: Describir patrones como relaciones y/o reglas generales coherentes con los hallazgos			
$(x^8-15)(x^8+15)$	$X^{64}-225$	$f(x)= -5x +8$	
	$X^{16}-225$		
$(4x^2 +3)^2$	$16X^4 +24x^2 +9$	$f(x)= 3x +10$	
	$8X^4 -24x^2 +9$		
	$16X^4 -12x^2 +9$		
$(5x +2)^3 =$	$(5x)^3-3(5x)^2(2)+3(5x)(2)^2 - (2)^3$	$f(x)= 9x$	
	$(5x)^3+3(5x)^2(2)+3(3x)(2)^2 + (2)^3$		
			
$(2x - 10)^2$	$2^2x^2-20x+100$	$G(x)= -30$	
	$6^2x^2-40x+10^2$		
	$4x^2-40x +100$		
$27 +m^3=$	$(27)^3+3(27)^2(m)+3(27)(m)^2+(m)^3$	$H(x)= 15 - 7x$	
	$(3 + m) (3^2-6m+m^2)$		
	$(3 +m) (9- 3m+m^2)$		
$(x^{14} - 25)$	$(x^7-5)(x^7 +5)$	$F(x)= 5x -7$	$m= 0$ $n= -7$
	$(x^7+5)(x^7 +5)$		$m=5$ $n= 7$ $m= 5$ $n= -7$

$361 - x^{20}$	$(17 + x^6)(17 - x^6)$	$G(x) = \frac{7}{5}$	$m=0,75$ $n=0$ $m=7/5$ $n=1$
	$(18 - x^5)(18 + x^5)$		$m=0$ $n=7/5$
	$(19 + x^{10})(19 - x^{10})$		
$(x^{10}y^5 - 8)(8 + x^{10}y^5)$	$x^{100}y^{25} - 16$	$H(x) = 0,5 - 3x$	$m=0,5$ $n=3$
	$x^{20}y^{10} - 64$		$m=-3$ $n=0,5$
	$x^{20}y^{25} + 8^2$		$m=0$ $n=0,5$
$(x + 9)(x - 10)$	$x^2 + 19x + 90$	$f(x) = -10x - 2$	$m=-10$ $n=-2$
	$x^2 + x + 90$		$m=-2$ $n=-10$
	$x^2 - x - 90$		$m=10$ $n=2$
$8m^{12} + 343p^{15}$	$(2m^4 + 7y^5)(4m^8 - 14m^4y^5 + 49y^{10})$	$G(x) = 4,5x + 9$	$m=-4,5$ $n=9$
	$(8m^{12})^3 + 3(8m)^2(343p^{15}) + 3(8m^{12})(343p^{15})^2 + (343p^{15})^3$		$m=4,5$ $n=9$
	$(2m^4 + 7y^5)(4m^8 + 14m^4y^5 + 49y^{10})$		$m=9$ $n=4,5$

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.