

Chaos With Coefficients Key

Here are the problems for this game, showing the coefficients for each term in the expanded form.

Problems	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
$(2x + 3y)^2$	4	12	9			
$(4x - 6)^2$	16	-48	36			
$(3m^2 - n)^2$	9	-6	1			
$(5x + 1)^3$	125	75	15	1		
$(6x - \frac{1}{2}y)^3$	216	-54	$\frac{9}{2}$	$-\frac{1}{8}$		
$(2x + 7y)^4$	16	224	1176	2744	2401	
$(3a - 6)^4$	81	-648	1944	-2592	1296	
$(x + 3y)^5$	1	15	90	270	405	243
$(6p - 7q)^5$	7776	-45360	105840	-123480	72030	-16807

Chaos Finals

Problems	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
$(-x + 2y)^3$	-1	6	-12	8		
$(\frac{1}{2}a + b)^4$	$\frac{1}{16}$	$\frac{1}{2}$	$\frac{3}{2}$	2	1	
$(0.1x + 0.3y)^5$	0.00001	0.00015	0.0009	0.0027	0.00405	0.00243

A-APR.5: Chaos With Coefficients Key

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