

SIMPLIFYING EXPRESSIONS *Pyramid Puzzle*

Directions: Simplify each expression on a separate sheet of paper. Write the simplified expression in the box. Cut out the boxes and paste K, C, I, M, and B on the top row (in that order) on the template. Paste the remaining boxes so that the solution to each problem is the sum of the two solutions directly above it.

A $25 - 4 - 9x + 2x$ 	B $5 - 3x + x - 32$ 	C $-17 - 3(2x + 13) + 24$ 	D $5(3x - 11) - 9x + 30$ 	E $13 - 3(5x - 14) + 11x$
F $9(2x - 8) - 4(x - 8)$ 	G $9x - 2(2x + 11) + 10$ 	H $1 - 4(x + 6) - 6(8 - 2x)$ 	I $3(8 - 2x) + 2(7x - 19)$ 	J $-(6x + 22) - 8(3 - x)$
K $4(5x - 1) - 8x + 11$ 	L $27 - 7(x - 4) + 4(2x - 3)$ 	M $19 - (1 - 4x) - 9x + 30$ 	N $9(3x + 7) - 4(6x + 7) - 1$ 	O $8(2x - 5) - 3(x + 16) + 5$

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Name:_____

[illegible]

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Name: _____ **Answer Key**

K $4(5x - 1) - 8x + 11$ $12x + 7$	C $-17 - 3(2x + 13) + 24$ $-6x - 32$	I $3(8 - 2x) + 2(7x - 19)$ $8x - 14$	M $19 - (1 - 4x) - 9x + 30$ $-5x + 48$	B $5 - 3x + x - 32$ $-2x - 27$
D $5(3x - 11) - 9x + 30$ $6x - 25$	J $-(6x + 22) - 8(3 - x)$ $2x - 46$	N $9(3x + 7) - 4(6x + 7) - 1$ $3x + 34$	A $25 - 4 - 9x + 2x$ $-7x + 21$	
H $1 - 4(x + 6) - 6(8 - 2x)$ $8x - 71$	G $9x - 2(2x + 11) + 10$ $5x - 12$	E $13 - 3(5x - 14) + 11x$ $-4x + 55$		
	O $8(2x - 5) - 3(x + 16) + 5$ $13x - 83$	L $27 - 7(x - 4) + 4(2x - 3)$ $x + 43$		
	F $9(2x - 8) - 4(x - 8)$ $14x - 40$			