Name …………………………………….................... class…………

TEST - ALGEBRAIC EXPRESSIONS

Task 1

Draw the models of the given algebraic expressions by using tokens.

a) $-2x + (-x^2) + 3$	**b)** $-x + 2x + x^2 + (-2)$

Task 2

Simplify the expressions. Explain how to perform the following operations. Illustrate this with token drawings.

a) $-6x + (-2x) =$ Explanation:	b) $-3x^2 + 5x^2 =$ Explanation:

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Task 3 Simplify the expressions. Explain how to perform the following operations. Illustrate this with token drawings.

a) $-4x^2 - (-4x^2) =$ Explanation:	b) $3x - 7x =$ Explanation:

Task 4

The expression opposite to $-4x^2 + 5$ is: …………………..

Present a model **of the expression opposite to**: $-4x^2 + 5$ by using tokens**:**

Task 5 Simplify the expressions. Justify your result by making appropriate drawings involving tokens.

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a) $1 - (-4x^2 + 5) =$	b) $-3x^2 + (-4x) - x + 3 + x^2 =$