

Name: _____

Date: _____

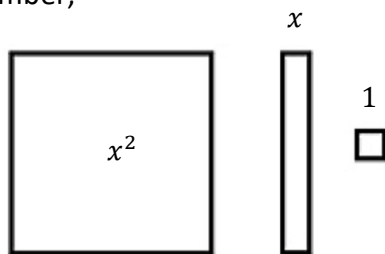
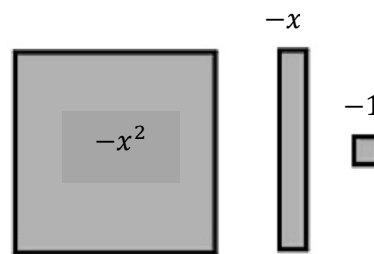
Learning Goal 5.2

I can add and subtract polynomials.

So far, we have learned about

- Monomials, binomials, trinomials and polynomials,
- The degree of a polynomial,
- How to add and subtract different types of polynomials, and
- How to use algebra tiles to help us find the solutions to addition and subtraction problems.

Remember,

Light represents **positive terms**Dark represents **negative terms****Step 1** Designing your Art.**Step 2** What expression is represented in your picture?**Step 3** Adding Polynomials.**Step 4** Subtracting Polynomials.Using the line that divides your art into 2 sections and your **simplified polynomials from Step 3**

1. Subtract polynomial B from A (A-B), showing simplification steps as well as the final answer both with algebra tiles and using algebraic terms.

- All steps in subtracting the polynomials should be shown both visually and algebraically.
- Please write out original polynomials and simplified polynomials before adding.
- Include the step before and the step after removing the brackets in subtraction.
- Crossing out zero pairs on the visual diagrams should be shown.
- Removing brackets and grouping like terms should be shown in individual steps in your algebraic solution.