

Simplifying Expressions

Use Algebra Tiles as needed to complete the following problems.

Simplify:

1. $2x + 3 + 5x - 4 =$ _____

2. $2x^2 + 3x - 5 + 4x^2 + x =$ _____

3. $3x^2 + 2x - 4x^2 + 2 + 5x + 1 =$ _____

4. $x^2 + 2x + x^2 + 3x^2 - 4x - x^2 =$ _____

5. $2x^2 + 3 - 4x - 4x^2 =$ _____

6. $2x^2 + 3x^2 + 5x - 2x =$ _____

7. $2(x^2 + 3) =$ _____

8. $3(x - 2) =$ _____

9. $4(x^2 + 3x - 2) =$ _____

10. $3(x^2 - 5) =$ _____

11. $2(3x^2 + 4) - 2x^2 =$ _____

12. $2(x - 1) + 4x + 3 =$ _____