2: Factoring Quadratic Expressions
Objective: Students will be able to factor quadratic expressions.
Recap activity: Distribute a worksheet with 5-10 problems from previous lessons on expanding and simplifying quadratic expressions.
Teaching:
- Introduce the concept of factoring quadratic expressions.
- Show how to find factors of a quadratic expression by using the distributive property in reverse.
- Discuss the difference between factoring a quadratic expressions and simplifying an expression.
Practice:
- Students will practice factoring quadratic expressions by using a worksheet.
- Use a collaborative whiteboard platform for a classwork assignment, where students can work together and share their answers.
Exit ticket: Factor the quadratic expression x^2 + 5x + 6. Provide a step-by step explanation.
Worksheet:
1. Factor the quadratic expression 3x^2 + 6x
2. Factor the quadratic expression 2x^2 - 7x - 4
3. Factor the quadratic expression x^2 - 8x + 16
4. Factor the quadratic expression 2x^2 + 5x - 3