**Math 9 – Unit 5: Algebra II**  Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Lesson #1: Factoring Expressions with Common Factors**  Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Learning Goal:** We are learning to Factor expressions that contain common factors.

**Simplify each expression**.

1) 2)

3) 4)

**Notes on Common Factoring:** Factoring is the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of expanding. Hence, when expanding, that work eliminates brackets. Factoring brings brackets back into the equation. Also, expanding uses multiplication, therefore factoring uses \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

**Factor the common factor out of each expression.**

5) 6)

7) 8)

9) 10)

11) 12)

**Success Criteria:**

* I can identify common factors
* I can factor expressions by dividing each term by the common factor
* I can write a factored expression as a monomial × a polynomial