NAME _____

DATE _____

Module 11 Simplifying Algebraic Expressions
with Polynomials
Lesson 4 Multiplying Monomials and Binomials

Lesson Objectives

- Find the product of two monomials.
- Find the product of a monomial and a binomial.
- Find the product of two binomials using the Distributive Property twice.
- Find the product of two binomials using the FOIL method.

To multiply monomials, use the _____ and

_____ Properties to rearrange the terms.

Then use the _____ *rule for* _____ to

simplify the expression.

1 ▶ Simplify: $x^3y \cdot 6xy^2$

_____

2 ▶ Simplify: $2x(x + 2)$

_____

3 ▶ Simplify: $-4ab(8a - 3b^3)$

_____

To multiply binomials either use the _____ Property twice or

use the _____ Method.

FOIL stands for F_____, O_____,

I_____, L_____

4 ▶ Simplify: $(2p - 5)(p - 4)$

_____