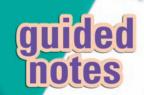
NAME

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 Commutative and					
Associative Properties to rearrange the terms.					
Then use the <u>multiplication</u> rule for <u>exponents</u> to					
simplify the expression.					
Simplify: $x^3y \cdot 6xy^2$					
$6x^4y^3$					
Simplify: $2x(x + 2)$					
$2x^2 + 4x$					
3 Simplify: $-4ab(8a - 3b^3)$					
$-32a^2b + 12ab^4$					
To multiply binomials either use the Distributive Property twice or					
use the FOIL Method.					
FOIL stands for First, Outer,					
I_nner, L_ast					
4 Simplify: $(2p - 5)(p - 4)$					
$2p^2 - 13p + 20$					