

Simplifying Algebraic Expressions

Date: _____
(Every lesson)

To simplify an expression, you have to use your algebra rules to make the expression as simple as possible.

To do this, you must collect like terms, use the distributive property or FOIL.

Ex. 1: Simplify the following.

a) $4x - 5y - 3y - 9x$

b) $(4x - 7y) - (2y + 3x)$

c) $-4a(2a - 3b)$

d) $8(2m - 3) + 3m(5m - 1)$

e) $(3x - 7)(4x + 9)$

f) $(2x^2 - 3)(5x^2 + 2)$

g) $x^2y^4(3xy^2 - 4x^3y^2)$