

Today's Learning Goal(s):

By the end of the class, I will be able to:

- a) expand and simplify algebraic expressions.

MCF 3MI **Expanding & Simplifying Algebraic Expressions Review**

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