

Today's Learning Goal(s):

Date: _____
(Every lesson)

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

- a) multiply 2 binomials.
- b) expand and simplify the product of a monomial and two binomials.

2.1 Working with Quadratic Expressions

Recall: When multiplying, multiply the coefficients; and add the exponents if the variables are the same.

Ex.1 Multiply the following.

a) $4x(3x - 7)$

b) $(3x - 2)(4x + 5)$

c₁) $(x + 1)^2$

c₂) $(x + 3)^2$

c₃) $(x + 5)^2$

c₄) $(x - 4)^2$

d) $(3x - 4)^2$

e) $2(x + 3)^2$

f) $-2(x + 6)(5x - 2)$

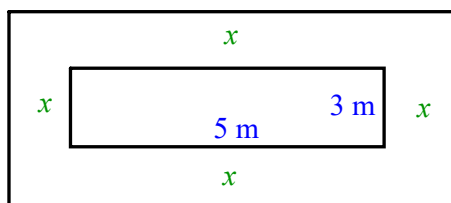
g) $5(y - 6)(y + 2) - (2y + 3)(4y - 1)$

Challenge

A)

B)

Ex. 2 Express the area of the large rectangle as a function of x .



Practice: pp.85-87 #2, 3, 5 - 7, 14

Be sure to keep up with your homework....SWYK is coming Friday!