Are there any questions from last day's assigned work you would like to see on the board?

Last day's assigned work: READ pp. 66-67

Return and Correct SWYK 1.2

pp. 68-69 # 1 - 10  $\lesssim \alpha$  p. 70 # 1 - 4, 5abc, 6

5. For each of the following, determine f(3).

a)  $f = \{(1, 2), (2, 3), (3, 5), (4, 5)\}$ b) x f(x) f(x)

$$c)f(3) = 4(3)^{2} - 3(3) + 1$$

$$= 4(9) - 6 + 1$$

$$= 36 - 6 + 1$$

$$= 31$$

$$= f(3) = 31$$

## Today's Learning Goal(s):



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

$$= 12x^{2} - 28x$$

$$= (2x^{2} + 7x - (0))$$

$$= (2x^{2} + 7x - (0)$$

$$= (2x^{2} + 7x - (0))$$

$$= (2x^{2} + 7x - (0)$$

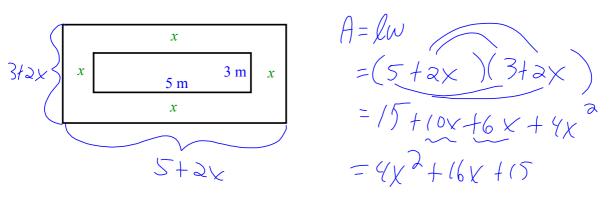
$$= (2$$

Challenge

A) 
$$(3x^{5}y - 2x^{3}y^{4}z)^{2}$$
 B)  $(2x^{3}y - 3x^{5}y^{4}z)^{2}$ 

$$= 9 \times 9^{-12} \times 9^{2} + 9 \times 9^{2}$$

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



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

Be sure to keep up with your homework....

there are SWYKs next week,

and the next Unit Summative is only 2 weeks away!