Standard APR.1 **8.2 Multiplying Polynomials** Unit 7

**Multiplying Monomials with Monomials and Binomials**

What is the product of the following expressions below?

1. 
2. 
3. 

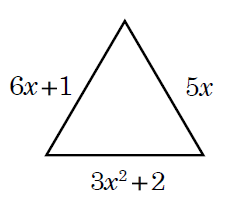
**Multiplying Monomials with other Polynomials**

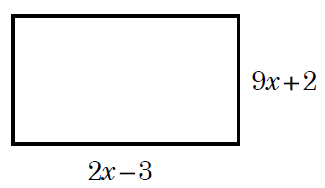
*Distribute first, then combine “like terms” (same variable, same exponent)*

What is the product of each of the following expressions below?

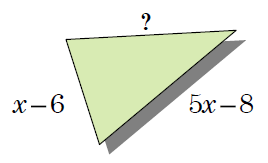
1. 
2. 
3. 
4. 

**Finding Perimeter of Figures**

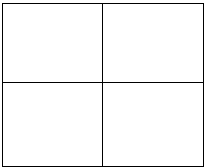
What is the perimeter of the following figures?



1. If the perimeter of a triangle is 8x – 11, what is the length of the missing side of the triangle?



**Multiplying Binomials – FOIL Method Multiplying Binomials – The Box Method**

What is the product of the expression?

**Picture5**

What is the product of the following expressions?

1. 
2. 
3. 

What is the product of the following expressions?

1. 
2. 
3. 

**Multiplying Binomials and Trinomials**

What is the product of the following expressions?

1. (x + 1)(x2 + 3x + 4)
2. (x2 – 4)(x2 + 6x + 5)
3. (x – 3)(x2 – 5x – 7)