

**Day 3 – Multiplying Polynomials****Name:** \_\_\_\_\_**Practice Assignment****Date:** \_\_\_\_\_ **Block:** \_\_\_\_\_**Review: Subtract the polynomials**

a.  $(x^2 + 4x - 5) - (4x^2 - 7x + 2)$

b.  $(-5x^2 + 2x + 4) - (-8x^2 - 3x + 4)$

**Multiply the following polynomials.**

1.  $(x + 4)(x - 6)$

2.  $(x + 9)(x - 9)$

3.  $(x - 4)^2$

4.  $(x + 6)(x - 7)$

5.  $(x + 9)^2$

6.  $(x - 2)(x - 9)$

7.  $(x + 3)(4x - 2)$

8.  $(6x - 3)(4x - 1)$

9.  $(2x + 5)^2$

10.  $(3x + 1)(2x - 5)$

11.  $(2x + 3)(x - 7)$

12.  $(4x - 1)^2$

13.  $(x + 1)(x^2 + 5x - 2)$

14.  $(2x - 1)(x^2 + 6x + 3)$

15.  $(x + 4)(x - 3)(x + 2)$

16.  $(x + 1)(x - 5)(x - 3)$