Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period \_\_\_\_\_\_\_ Week of **October 6 -10**

**Every day you enter class and complete this assignment. It will count for 15% of your grade. You must hand in every Friday. It will not be accepted late, unless you are absent. If absent, please hand in on Monday. You cannot make up this assignment. Come to extra help, if you have questions.**

**Monday, October 6, 2014**

 Expand Evaluate

Example -( 3x)4  - (3x\*3x\*3x\*3x)\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_-81x4\_\_\_\_\_\_\_\_\_

1. -(3x3)2 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2. (-2x)3 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Tuesday, October 7, 2014 (show your work)**

3. (-3 x2)(6x3)2 Remember 6x3 is being raised to the 2nd power. (Multiplied by itself twice)

(-3xx)(6 x3)(6 x3) now use the next line to expand (6 x3)

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4. Simplify -5(3)2 – 8 (show your work)

**Wed, October 8, 2014 -**

**Simplify**

5. 18 - (8) + 6 6. 4(x - 7) 7. Evaluate the expression -x2 - 6x -5 when x = -2

8. Use the distributive property to multiply (x - 2)(3x + 6)

**Thursday, October 9, 2014**

Solve and verify the solution.

9. 2(x – 4) = 2 **Check your solution**

 5

**Friday, October 10, 2014**

**10. Solve the equation and check your solution.**

$\frac{3}{4}x-5=4$ **Check your solution**