Algebra Review 1 – Linear Functions   **Algebra 2**
Homework #1   ***REMEMBER to do in Power HW Format!**

1) Evaluate the following expressions for the given value of x.

    a) $-2x-13$ *when* $x=0$ **b)** $5x^2-x+9$ *when* $x=-5$

    c) $-x^2+3$ *when* $x=-2$ **d)** $\dfrac{x^2+2x}{x+3}$ *when* $x=3$

2) Simplify the expression.

    a) $3x^2+4y-2x^2-5y$ **b)** $-3\left(x^2-2\right)-2\left(2x^2-1\right)$

3) Solve the equation.

    a) $x-4=4$ **b)** $2a+\dfrac{2}{3}=a-\dfrac{1}{3}$

    c) $1.5\left(2x+2\right)=6$ **d)** $2\left(x+2\right)=4\left(x-1\right)+4$