

Summer Assignment for Students Entering Honors Algebra II Name:

This worksheet is due at the beginning of class on the first day of school. It will be graded on accuracy. You must show all work to receive full credit. Give exact answers in simplest radical form. You may work with other students, but each student must submit his/her own sheet. Please refer to your old Honors Algebra 1 notes, or your Algebra II book, if you pick it up early. Email any questions to [lmkm@bw.beachwood.k12.oh.us](mailto:lmkm@bw.beachwood.k12.oh.us).

Evaluate each expression for  $a = 3$ ,  $b = -2$ , and  $c = -4$ .

1.  $a + bc - 4b^2$  \_\_\_\_\_

2.  $\frac{c - b}{a^3}$  \_\_\_\_\_

Simplify each expression.

3.  $4(2x - 4) - 3(x - 8)$  \_\_\_\_\_

4.  $2 - x(x + 2) + (x - 3)^2$  \_\_\_\_\_

Solve the following equations.

5.  $2(x + 3) = 3x - (5x + 6)$  \_\_\_\_\_