***Solving One-Step Equations Using Addition and Subtraction*** (Notes for Wednesday, 8/21):

***Example 1***: x – 10 = - 19 ***Example 2***: m + 11 = 2 ***Example 3***: - 9 = - 2+ n

***Example 4***: 21 = k + 7 ***Example 5***: p – 10 = 31 ***Example 6***: x + 12 = - 24

***Example 7***: 2 = 17 + p ***Example 8***: 21 = - 20 + x ***Example 9***: - 5 + x = 4

***Example 10***: What is the first step in solving the following equation: x – 7 = 12

***Example 11***: Is 3 a solution to the following equation: x -$ \frac{ 1}{ 2}$ = $\frac{5}{2}$

***Example 12***: You measure a child and find that his height is 41 $\frac{1}{2}$ inches. At his last visit, he was 38$\frac{3}{4}$

 inches tall. How much did he grow? Write an equation and solve.

 ***Equation: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_***

***Example 13***: In Los Angeles, the fine for illegally parking in a zone reserved for people with disabilities is

 $330. This is $280 higher than the fine in New York City. How much is the fine in New York

 City? Write an equation and solve.

 ***Equation: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_***

***Example 14:*** The sum of a number and 7 is – 18. What is the number? Write the equation and

 solve.

 ***Equation: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_***

***Example 15:*** If you decrease a number by 5, the result is – 12. Find the number by writing an

 equation and solving the equation.