Math 60, Section 3.1-3.2 Class Prep Assignment   Name:_____

<u>Watch the videos and take notes on this page</u>   <u>Due at the Beginning of Next Class</u>

Section 3.1 Multistep Linear Equations

<u>Multistep Equations with the Variable on One Side</u>

1. First we will draw a scale to represent a two-step equation. Then solve and check the equation.

$$2x+1=7$$

<u>Undoing Operations in the Reverse Order</u>

2. Draw a box around the variable. Then draw boxes outward following the order of operations. Solve and check each equation.

   a. $7x-5=37$ b. $27=-2x+5$

<u>Equations with a Variable on Both Sides</u>

3. Solve the following equations, showing your operations. State the solution set and check your answer.

    a. $4x+3=3x+5$ b. $-4(k+5)=-6k+2$

Section 3.2 Multistep Linear Inequalities

4. Solve each inequality and graph each solution on a number line. Write the solution set in interval and set-builder notation.

Solve the Inequality	Number Line Graph	Interval	Set-builder Notation
a. $-3x+5>11$			
b. $8t-7\leq 3t-2$			