Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period: \_\_\_\_\_\_\_\_\_\_ Formative Score: \_\_\_\_\_\_\_\_\_\_\_\_\_\_

**HW #1 Mandatory Problems:**

9-51. Solve each of the following inequalities for the given variable. Represent your solutions on a number line.  [9-51 HW eTool](http://technology.cpm.org/general/tiles/?tiledata=alCCA%209-51%20HW%20eTool__Solve%20each%20of%20the%20following%20inequalities%20for%20the%20given%20variable.%20%20Represent%20your%20solutions%20on%20a%20number%20line.%0A%0A(a)%202(3p%20%2B%201)%20%3E%20%E2%88%924%0A(b)%209k%20%E2%88%92%202%20%3C%203k%20%2B%2010%0A(c)%205%20%E2%88%92%20h%20%E2%89%A5%204%0A%0A%0ANumber%20line%20for%20part%20(a)%20is%20shown%20at%20right.%0AUse%20the%20tools%20below%20to%20create%20the%20number%20lines%20for%20part%20(b)%20and%20(c)__eGa2x__boy__ahx(a)%20p%20%3E%20%E2%88%921__pxpZcaVokMqDtBcaVokMqnq4fdsGragaqCsPq4hx(b)%20k%20%3C%202%20__pCsphx(c)%20h%20%E2%89%A4%201%20or%20%20%20%20%20%20%20__pHu7) (CPM).  [Homework Help ✎](http://homework.cpm.org/cpm-homework/homework/category/CC/textbook/CCA/chapter/Ch9/lesson/9.2.1/problem/9-51)

1. 2(3*p* + 1) > −4
2. 9*k* − 2 < 3*k* + 10
3. 5 − *h* > 4

9-53. Identify the statements below as sometimes true, always true, or never true.  [Homework Help ✎](http://homework.cpm.org/cpm-homework/homework/category/CC/textbook/CCA/chapter/Ch9/lesson/9.2.1/problem/9-53)

1. −4 < 9
2. *x* < 1
3. − 5 > −2
4. 3*x* + 5 = 2
5. 61 = 61
6. −6 < −6
* Graph this linear system.

$$x-3=y$$

$$2x-6-y=7$$

* Write the linear equation of a line passes through the points $\left(2, 3\right)$ and $\left(6, -5\right)$.