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

**HW #2 Mandatory Problems:**

**Learning Target #1:** “I understand all of the symbols associated with inequalities and understand what a solution set represents.”

1. Write the algebraic expression for: the greatest possible value of $3y$ is $30$. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. Write the algebraic expression for: the minimum value of $2x + 1 $is $13$. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Learning Target #2:** “I can create, solve, and graph inequalities in one variable.” A-CED.1, A-REI.3

1. Mrs. Davis decided that she would spend no more than $120 to buy a jacket and a skirt. If the price of the jacket was $20 more than 3 times the price of the skirt, find the highest possible price of the skirt. Then graph the solution set on the number line.

**Learning Target #3:** “I can create, solve, and graph inequalities in two variables.” A-REI.12

1. 9-84. Graph the inequalities below on graph paper. Homework Help ✎
	1. $y \leq - x + 5$
	2. $y > \frac{2}{3}x- 1$



**Linear Equations Ch 2:**

**9-73.** Line *m* has intercepts (−7, 0) and (0, −2).[Homework Help ✎](http://homework.cpm.org/cpm-homework/homework/category/CC/textbook/CCA/chapter/Ch9/lesson/9.3.1/problem/9-73) Find the equation of line *m*. Then determine if the point (49, −16) also on line *m*? How do you know?

**Functions Ch 1:**

1-71. Examine the graph of the relationship below.

Use it to estimate:

$y $when $x = –4$ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

$y $when $x = 1$ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

$y $when $x = 4$ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Is this relationship a function? Why or why not?

**Individual Practice Problems: Look at the Learning Target Page and pick 5 practice problems from the chart.**

|  |  |  |
| --- | --- | --- |
| **Learning Target** | **Problem** | **Work** |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |