Math 8-1 **Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Project #1 September 2014**

Ms. Dowson

*Due*: Friday, **September 12, 2014**

*Spot Check*: Last Day Thursday, **September 11, 2014** by **NOON**

**Part A. Simplify each expression.** *Remember to collect like terms!*

1.  2. 

3.  4. 

5.  6. 

**Part B. Solve each equation.**

7.  8. 

9.  10. 

11.  12. 

**Part C. Solve and graph each inequality(on a number line). Check your solution.**

13. 

14. 

**Part C. Evaluate each expression if *x* = 4 and *y* = -1.**

15.  16. -2*y*

17.  18. 

**Part D. Word problems.**

19. Danny earns $6.50 per hour working at a movie theater. Which inequality can be used to find how many hours he must work each week to earn at least $100 per week?

 a) 

 b) 

 c) 

 d) 

20. Does the set of ordered pairs represent a function? *Explain* why or why not in one or two complete sentences.

 a.  

 b.  

 c.  