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

**Project #6 December 2014**

Ms. Dowson

*Due*: **Tuesday December 9, 2014**

*Spot Check*: Last day, **Monday December 8, 2014 by NOON**

1. Write the equation in standard form:
2. Evaluate the function for the given values of *x*.
   1. *x*=-2 and *x*=2
   2. *x*=-2 and *x*=7
3. Graph the following lines using the intercepts (on the attached graph paper):
4. Write the equation for a line that passes through the points (-2,3), (-2,-5)
5. Two points on a best fit line for a set of data (3.4, 10) and (4.4, 8). Find the equation of the line of best fit.
6. Solve the inequality. Then graph the solution
7. Kathryn put her nickels and dimes in a piggy bank. One day she emptied it and counted 25 coins, which totaled $2.05. Using a linear system, how many dimes did Kathryn have?
8. Graph the system of equations (on graph paper). Then find the solution

1. The sum of two numbers is 2. Their difference is 10. Using a linear system, find the numbers.