Name _____

Period _____

Yellow Cab VS Blue Cab

Systems of Equations Project

DUE – February 13, 2014!

NO LATE PROJECTS ACCEPTED!

In the last few weeks, we have talked about systems of linear equations and learned several methods to solve systems including graphing, elimination, and substitution. We have explored several real life problem situations where we use systems to solve. Now it is your turn to find a real-life system and find a solution! Your task is to find a real-life system – they are everywhere! You have been given examples in class of a road trip and comparing the cost of two companies who sell the same product. You can also use my example as a reference for you to find your real-life system. Once you have found a system, you will create a Power Point or Keynote Presentation to present your system and your solution. Follow the outline below to create your presentation:

Email presentation to me at <u>brittanyulrich@misdmail.org</u>

Slide 1: What is your system about? Include pictures!

Slide 2: Present your problem. Most of the time, systems will be presented in a word problem. Write out your example giving all the facts.

Slide 3: Write both equations – make sure you label what your equation is about!

Slide 4: Make a table to show the variables. Make sure to include the variables in the table (what does the x mean? What does the y mean?) and show the point of intersection.

Slide 5: Create a graph. If you need to do this on a separate sheet of paper and take a pic that's okay! Include all parts of a graph – title, x & y axis, independent & dependent variables, all points including the point of intersection. Use different colors to show your lines and label the lines.

Slide 6: What is the solution to your system? What does the solution mean? Write in complete sentences.

Slide 7: Prove your solution by solving the system using one other method (either substitution or elimination). Show all your work!

Bonus! Slide 8: Prove your solution by solving the system in the method you didn't use in Slide 7.

Systems of Equations   Name _____

*Extra Credit *   Period _____

Systems of Equations Project Grading Rubric

Slide #	0 points	3 point	6 points	10 points	Points Earned
Slide 1	Not Included/Not Correct	Most parts not included or not correct	Some but not all parts included or correct	All Parts included & correct	
Slide 2	Not Included/Not Correct	Most parts not included or not correct	Some but not all parts included or correct	All Parts included & correct	
Slide 3	Not Included/Not Correct	Most parts not included or not correct	Some but not all parts included or correct	All Parts included & correct	
Slide 4	Not Included/Not Correct	Most parts not included or not correct	Some but not all parts included or correct	All Parts included & correct	
Slide 5	Not Included/Not Correct	Most parts not included or not correct	Some but not all parts included or correct	All Parts included & correct	
Slide 6	Not Included/Not Correct	Most parts not included or not correct	Some but not all parts included or correct	All Parts included & correct	
Slide 7	Not Included/Not Correct	Most parts not included or not correct	Some but not all parts included or correct	All Parts included & correct	
Slide 8	Not Included/Not Correct	Most parts not included or not correct	Some but not all parts included or correct	All Parts included & correct	
Creativity	No creativity used	Little creativity used in project	Some creativity used in project	Project is very creative	
Organization	Slides not organized		Slides out of order	All slides in correct order	

Total Points Earned   _____