

Quarter 1 Project Ideas for Honors Algebra I

Due Date: October 28, 2011

1. Create a blog page describing one of the topics from Quarter 1.

This project is designed to be a teaching tool for students of Algebra. You will create a webpage or blog all about one topic of Algebra from the 1st quarter. Your page must include: pictures, explanations, at least 2 links to other web resources, and 3 pieces of original work. (video, pictures, art, etc).

Ultimately, your page will be linked to my classroom webpage so think wisely about what fellow students might want to know about the topic.

These sites offer free blog pages: Blogger.com, WordPress.com, Wikispaces.com

2. Poem, Rap, or Song Project

Choose a math concept, property, or function that you understand and make a poem, rap, or song about it. Strive to explain the math involved with your choice. There should be a definite rhythm and rhyme. The math explanation needs to be accurate. You may use examples with numbers or letters. Do NOT make your projects a complaint about math, but rather an explanation of math. Be creative.

Poems must be NO LESS THAN 25 lines long.

Raps should be rhythmical and be at least 25 lines long.

For songs, you may use a pre-existing melody, or you may create your own. If you write your own music, include the lyrics on the score.

You will perform your poem, rap, or song for the class. You can do it, or have someone prepared to do it for you, or you may record your piece and play it to the class.

3. Conduct a survey

Conduct a survey (either by paper or SurveyMonkey) about any school issue and display the data in a spreadsheet and graphs. You must question **at least** 25 people. Analyze the data and write a one-page summary of your findings. Some things you might want to consider:

1. Who is your target audience?
2. Did you keep your data organized?
3. What conclusions might you draw about the whole school from your survey?

This project may be done as a Power Point/Keynote project or paper/poster. You must include a copy of the survey question/questions and data in your final report.

4. A Math Game

Create an ***original*** math game (card, dice, or board) that can be played in the classroom. It can take the form of a trivia game (like trivial pursuit or jeopardy), or a Yahtzee type game with dice. It's up to you, but it must be about some math concept!!! You must have:

1. Step-by-step typed instructions on how to play the game.
2. Explanation of how a player wins.
3. The capability of at least 4 players at a time.
4. The materials must be included.
5. A decorated box, which includes all the pieces necessary.
6. A catchy name.