

Drawing with Ordered Pairs

GOAL: To draw images with ordered pairs.

BENEFIT: This is equivalent to a 20-point quiz.

DUE DATE: Monday, March 28, 2011 (No extensions.)

GUIDELINES:

1. Create a list of ordered pairs that will produce a picture or design of your choice.
2. The ordered pairs should encompass the four quadrants, not just Quadrant I as exemplified in our class activity.
3. You need to submit the following:
 - a. a list of ordered pairs and the image produced from the ordered pairs. These must be your original work (neither copied nor downloaded).
 - b. a list of five linear equations you derived from line segments on your picture, which you have to identify. The picture part and equation must correspond. In this regard, show computations on how you got these equations. The equations should include linear equations with positive slope, negative slope, zero slope, and undefined slope.
 - c. a typewritten paragraph on the valuable lesson(s) you learned from this activity
4. Your work will be displayed in class. Hence, you can spice up your pictures with colors. Make sure that the coordinate points on your pictures are not overshadowed.
5. If everybody does an excellent job, who knows, Ladywood High School might use these original creations to launch a book of ordered pair drawings. There are similar books/booklets in the market for this. (Just a side comment.☺)
6. BONUS: Two extra credit points for equations of perpendicular lines and parallel lines.