2nd Marking Period Project:

Dilations

The 8th grade classes have just finishing learning about similar figures and dilations. It’s now time to put what we’ve learned to use.

Assignment: Find an everyday graphic that you are familiar with. You are to draw the graphic to scale on a piece of graph paper, taking care to identify coordinates of the shape on the coordinate plane. You must list at least 10 coordinates of vertices of your graphic, including at least one set of coordinates in each quadrant. Once you have completed your initial drawing, your assignment is to dilate the graphic by a scale factor of three, listing each of the new set of coordinates of the dilated figure. Your final step wil be to draw the new dilated figure, and color it to show it off.

These projects will be displayed on the class bulletin board across from the music room, and visible to most everybody who enters the building. Take pride in your work!!

Examples of graphics that you may use include:

Corporate logos, ie Nike, Apple, McDonalds, etc.

Widener or WPCS logos

Sports Team Logos

Band or Album cover art.

Candy wrappers

Cartoon characters.

Be creative and have fun – Pick something that shows off who you are and what you like!

Grades for this project will be based on:

* Correctly identifying at least 10 coordinates on your original drawing

(30 points)

* Including at least one point in each of the four quadrants. (10 points)
* Correctly applying the scale factor of 3 to each of your ordered pairs.

(30 points)

* Taking care to neatly draw your figure, coloring it appropriately, and turning in work you can take pride in. (30 points)