Graphing Circles Project

**Due Monday 12/15**

Use Google Earth, Google Maps or some other system where you can get a satellite image of the earth.

Screen shot, and print a picture with at least 2 “circles”. These can be man-made circles, or something natural. They should not be concentric.

On your printed out image, construct an x-y plane. The origin can be anywhere in the picture.

Give me the equations of both circles in your image with one stipulation. The scale of your graph must be correct. Doesn’t matter what units you use (feet, meters, yards, miles, etc, but make sure you include that information!

The equations of both circles should be done to the same scale (they should both be on the same *xy*-plane)

ALSO, include the location of your circles. This can be as global coordinates, or you can simply say, 5miles north east of Wichita, KA, near Hwy 254… I need to be able to find them though!

**Rubric:**

Points

25 Equation of Circle A

25 Equation of Circle B

15 Both circles to the same scale

10 Scale clearly stated

10 Location clearly stated

5 xy plane constructed neatly over image

5\* Circles have different radius lengths

5\* The origin is not the center of one of your circles

\*Note: The highest grade you can receive on this project is a 90 on this project if you don’t follow these last 2 guidelines. Making it harder on yourself can get you to a 100 though.