**My Geometry Map Project 16-17**

**THE GOAL:** To demonstrate your understanding of geometric vocabulary, you will be designing and drawing a town map that incorporates many geometric key terms. This project will be hand drawn on a piece of 8 ½ by 11 card stock.

**Your town must include:**

→ A Title at the Top (the name of your town)

→ You must have the NUMBERS labeled on your MAP.

→ You must have the names of the items on your legend.

1a-b. Two streets (lines) that are **parallel** to each other.

2. A diagonal street (line) that is crosses the parallel streets at a non-right angle.

3a-b. Two streets (lines) that are **perpendicular** to each other.

4. A street that is a **ray**.

5a-b. Draw two roads (**line segments**) that are **congruent** to each other. They do not need to be connected or parallel.

6a-b. Draw a round-about in the **midpoint** of a **line segment**.

7a-b. Draw a path or bridge that connects **two complementary angles**.

8a-b. Draw a path or bridge that connects **two supplementary angles**.

9a-b. Draw two parks (colored green) at **vertical angles** to each other.

10a-b. Draw a hospital in the shape of a **quadrilateral** and put it in the **interior of an acute angle**.

11a-b. Draw a courthouse in the shape of a **pentagon** located at an **obtuse angle**.

12a-c. Draw three swimming pools, each colored blue: 1 **scalene**, 1 **isosceles**, and 1 **equilateral triangle**.

13. Draw an **octagonal** building (or neighborhood)

14. Draw a **concave polygon** building (or neighborhood)

**Grading Guidelines:**

1. **Content** (25 points)
	* All 25 items are included on your map, and they are numbered clearly. Position of items demonstrates understanding of the vocabulary terms. Use your Geometry Vocabulary Notes. All 25 items should be named on your legend.
2. **Creativity** (5 points)

 Ways to be creative with the names (of the town, buildings, streets, etc.).

* + Design elements (ex. how you design the map, or a path, or a park).
	+ Use of color (it should be colorful! Try not to have any white).
1. **Neatness** (10 points)
	* Use tools, rulers, stencils, or protractors to make neat lines and angles.
	* Write neatly and legibly ~ your best writing. Use pen for the final.
	* Correct mistakes so they are hardly noticeable. Color well.