**Summer Project – Geometry City**

You are a city planner who just landed a job designing a new city. Your goal is to sketch a map to present to the city council at the next meeting showing how you would design it. The council has some specific requests

and locations that you must abide by. They are as followed:

Your city will have a name and population that must be visible on your map

At least 1 pair of parallel streets (each must be named)

At least 1 pair of perpendicular streets (each must be named)

A street that forms a line segment (each must be named)

A street that forms a ray (each must be named)

A street that forms a line (each must be named)

**The following buildings must be placed as directed:**

Sketch a house in the shape of Parallelogram.

Sketch a school in the shape of a circle.

Sketch a bank in the shape of a square.

Sketch a post office in a shape of a rectangle.

Sketch a grocery store in the shape of a pentagon.

Sketch an electronics store in the shape of a trapezoid.

Sketch a pet shop as a point.

Sketch a gas station that forms a right angle

Sketch a police department that forms an obtuse angle

Sketch a park that forms an acute angle (You must name the park)

No two buildings can occupy the exact same space. Use a ruler to draw straight lines, please no free- hand-drawing. Things to keep in mind that will make your project more creative and stand out from the rest: *pay attention to the details.*

For Example: Street signs, animals, landscaping (trees, shrubbery, ponds, etc.), or fencing; the possibilities are endless as the imagination. Please keep it school appropriate.

**Remember the idea is to be visually appealing as well as geometrically correct.**