**My Geometry Map Project**

**THE GOAL:** To demonstrate your understanding of geometric vocabulary, you will be designing and drawing a town map that incorporates many geometric key terms.

The project should be no smaller than 8 ½ by 11, and no larger than a ½ a poster board. It must be drawn by hand.

Grading Guidelines:

1. Content (26 points)
   * All 26 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 26 items should be named on your legend.
2. Creativity (20 points) Ways to be creative:
   * Names (of the town, buildings, streets, etc.).
   * Design elements (ex. how you design the map, or a path, or a park).
   * Materials (computer-generated images, stickers, etc. are encouraged).
   * Use of color (it should be colorful! Try not to have any white).
3. Neatness (20 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 (uniform use of colored pencils looks best; markers should be for titles and outlining only).

*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.

1. A **diagonal** street (line) that is a **transversal to the parallel** streets.
2. Add two coffee shops that are located in **corresponding angles**.
3. Draw two gas stations that are located in **alternate interior angles**.
4. Add two grocery stores located in **alternate exterior angles**. 6a – b. Two streets (lines) that are **perpendicular** to each other.
5. A street that is a **ray**.
6. A street that is a **line segment**.

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

1. Draw a round-about in the **midpoint** of a **line segment**.
2. Draw a path or bridge that connects ***two* complementary angles**.
3. Draw a path or bridge that connects ***two* supplementary angles**.
4. Draw two parks (colored green) at **vertical angles** to each other.
5. Draw a hospital in the shape of a **parallelogram** and put it in the interior of a

**90° angle**.

1. Draw a school in the shape of a **trapezoid** that is at an **obtuse angle**.
2. Draw a post office in the shape of a **rhombus** located at an **acute angle**.
3. Draw a courthouse in the shape of a **pentagon** located at a **right angle**.

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

1. Draw a **hexagonal** building (or neighborhood)
2. Draw an **octagonal** building (or neighborhood)
3. Draw a **decagonal** building (or neighborhood)

Remember – you can add more roads and buildings than those listed above.

Legend (Points of Interest)

1a.

1b. \_

2. \_ \_

3. \_ \_

4. \_ \_

5. \_ \_

6a.

6b.

7. \_ \_

8. \_ \_

9a.

9b. \_

10.

11.

12.

13.

14.

15.

16.

17. 18a. 18b. 18c.

19.

20.

21.

Name Date Per.

Grading Rubric for Geometry Map Project Part One: Content (26 points)

* + All 26 items are included and numbered on

26

your map.

* + Items are placed properly.
  + All 26 items are named on your legend.

Part Two: Creativity (20 points)

* + Creative names for roads, buildings, and town

20

* + Map Design (how items are placed on the map)
  + Materials
  + Use of color (it should be colorful!).

Part Three: Neatness (20 points)

* + Tools, rulers, stencils, or protractors were used. Lines are straight. Polygons are neat.

20

* + Writing is very neat and legible.
  + Mistakes are hardly noticeable.
  + Color looks great. Writing is in pen. Grand Total:

66

Legend (Points of Interest)

1a. \_

1b.

2. \_ \_

3. \_ \_

4. \_ \_

5. \_ \_

6a. \_

6b. \_

7. \_ \_

8. \_ \_

9a. \_

9b. \_

10.

11.

12.

13.

14.

15.

16.

17. 18a. 18b. 18c.

19.

20.

21.

  

 