

Geometry FINAL - Map Project – DUE MAY 13th

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 **poster board**. It can be drawn by hand, or done on the computer, or even a combination of both.

This project counts as your FINAL EXAM for Geometry class. Please take your time and do your best work to demonstrate your knowledge.

Grading Guidelines:

1. Content (75 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 Notes.
- All 25 items should be named on your legend.

2. Creativity (10 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 (15 points)

- Use tools, rulers, stencils, straight edge, 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).

If you choose to create your map on the computer, you must still complete the Legend on the Grading Rubric page and submit that with your work. This project should take you several hours/days to complete. This will count as your final exam and carry the weight of a normal final exam. If you need assistance or guidance throughout this project, feel free to contact me.

This is not a group project. Each student should complete their own work. No work will be accepted after May 18th.

Your town must include:

- Your Name clearly written on the map
- 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 a **transversal to the parallel** streets.
3. Add two coffee shops that are located in **corresponding angles**.
4. Draw two gas stations that are located in **alternate interior angles**.
5. Add two grocery stores located in **alternate exterior angles**.
- 6a – b. Two streets (lines) that are **perpendicular** to each other.
7. A street that is a **ray**.
8. 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.
10. Draw a round-about in the **midpoint** of a **line segment**.
11. Draw a path or bridge that connects **two complementary angles**.
12. Draw a path or bridge that connects **two supplementary angles**.
13. Draw two parks (colored green) at **vertical angles** to each other.
14. Draw a hospital in the shape of a **parallelogram** and put it on the **vertex** of a **90° angle**.
15. Draw a school in the shape of a **trapezoid** that is at an **obtuse angle**.
16. Draw a post office in the shape of a **rhombus** located at an **acute angle**.
17. 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**.
- 19 and 20. Draw 2 different **polygon** buildings (or neighborhoods), label the kind of polygons.

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. _____

Name _____

Date _____ Per. _____

Grading Rubric for Geometry Final - Map Project

Turn this paper in with your Map

Due May 13th

Part One: Content (75 points)

75

- ✓ All 25 items are included and numbered on your map.
- ✓ Items are placed properly.
- ✓ All 25 items are named on your legend.

Part Two: Creativity (10 points)

10

- ✓ Creative names for roads, buildings, and town
- ✓ Map Design (how items are placed on the map)
- ✓ Materials
- ✓ Use of color (it should be colorful!).

Part Three: Neatness (15 points)

15

- ✓ Tools, rulers, stencils, or protractors were used. Lines are straight. Polygons are neat.
- ✓ Writing is very neat and legible.
- ✓ Mistakes are hardly noticeable.
- ✓ Color looks great. Writing is in pen.

Grand Total:

100

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.	_____

