

Name: _____ Date _____

Due: November 18

Overview of 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 8½ by 11, and no larger than a poster board. It must be drawn by hand, using a straightedge.

Grading Guidelines:

1.Content (50 points) _____ points earned

- All items are included on your map, and they are numbered clearly.
- Position of items demonstrates understanding of the vocabulary terms. Use your Geometry Vocabulary from Workbook.
- All items should be named on your legend.

2. Creativity (25 points) _____ points earned

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 a lot of white).

3.Neatness (25 points) _____ points earned

- Use tools, such as rulers or protractors to make neat lines and angles.
- Write neatly and legibly ~ your best writing.
- 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.

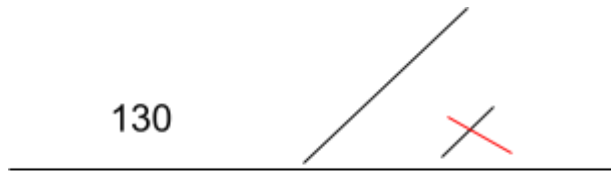
1a–b. Two streets (lines) that are **parallel** to each other.

2. A diagonal street (line) that is a **transversal** to the parallel streets.

3. Add two shops that are located in **adjacent** angles.

4a–b. Two streets (lines) that are **perpendicular** to each other.

5. Draw a path or bridge that creates a pair of **complementary angles**. Include angle measurements or equations.



$$130 + x = 180$$

6. Draw a path or bridge that creates a pair of **supplementary angles**.

7. Draw two parks (colored green) at **vertical angles** to each other.

8. Draw a hospital in the shape of a **parallelogram** and put it in the interior of a **90° angle**.

9. Draw a school in the shape of a **pyramid** that is at an **obtuse angle**.

10. Draw a post office in the shape of a **triangular prism** located at an **acute angle**.

11a-b-c. Draw three swimming pools, each colored blue: **1 scalene, 1 isosceles, and 1 equilateral triangle** anywhere in your town.

12. Draw a **circular** building (or neighborhood) that includes an object 3 units from the center.

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

Legend

1a-b. _____

2. _____

3. _____

4a-b. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11a-b-c.. _____

12. _____