

Names: \_\_\_\_\_

Due Date: \_\_\_\_\_



# CITY PROJECT

**CONGRATULATIONS!!!** You and your group members have been assigned to work on the Architectural Design committee for a new city in the World of Disney. You and your team will design your own city using the Guidelines given by Mr. M. Mouse (see below), survey possible residents, and write a report to present to Mr. M. Mouse. Below, you will find the rating criteria. Read and follow all directions carefully.

## **Part 1: Design (40 Points)**

You are to design your own city and include the following:

- \_\_\_\_ (2 pts.) City name and population at the top of the project
- \_\_\_\_ (6 pts.) Six parallel streets
- \_\_\_\_ (4 pts.) Two transversal streets (does not have to transverse all parallel streets)
- \_\_\_\_ (4 pts.) Two perpendicular streets
- \_\_\_\_ (4 pts.) The gas station and restaurant must be alternate exterior angles
- \_\_\_\_ (4 pts.) Your house and school must be alternate interior angles
- \_\_\_\_ (4 pts.) Courthouse and bank must be vertical angles
- \_\_\_\_ (4 pts.) Hardware store and grocery store must be corresponding angles
- \_\_\_\_ (4 pts.) Police station and fire station at same side interior angles
- \_\_\_\_ (4 pts.) Two building of your choice at same side exterior angles

**Name and label each building and street**

**Use crayons or colored pencils to draw your city or use 3-dimensional objects. BE CREATIVE!!!!**

**Build the final city on poster board**

## **(25 Points) Part 2: Survey**

- \_\_\_\_ (5 pts.) Create a survey question about your town.
- \_\_\_\_ (5 pts.) Decide on a sampling method for your town to avoid bias.
- \_\_\_\_ (5 pts.) Survey people to get 30 to 50 responses to your survey question.
- \_\_\_\_ (5 pts.) Find the mean and standard deviation of your data.
- \_\_\_\_ (5 pts.) Calculate the margin of error for your sample size.

## **(25 Points) Part 3: Report**

Report your finds. Keep the report to fewer than 2 pages typed double space, 12pt font.

**Be sure to include the following in your report:**

- \_\_\_\_ (10 pts.) A brief history of your town. (be creative!)
- \_\_\_\_ (15 pts.) An explanation of your survey:
  - a. What question did you ask?
  - b. What was your sampling technique
  - c. How did you get your data
  - d. Report your mean, standard deviation and margin of error in context.

**(10 Points) Overall neatness & Creativity**(Your final product should look like a masterpiece that we would be proud to display in a museum.)

**(20 Points) Teammates Evaluations**

Examples:

