

## Geometry Unit 3: Parallel and Perpendicular Lines Project

Name: \_\_\_\_\_ Date: \_\_\_\_\_

### City Designer

You are to design your own city. Your city will have a name and population which must be placed at the top of your project. Your city must have the following and be correct to receive full credit.

1. 5 parallel streets (each street must be named, colored in different colors, created using constructions)
2. 2 transversal streets (each street must be named, colored in different colors)

The following buildings must be placed as directed, colored and look realistic (not just squares).

1. A gas station and a restaurant (alternate exterior angles)
2. Your house and a school (same side interior angle)
3. A courthouse and a bank (vertical angles)
4. A general store and a church (corresponding angles)
5. A library and a park (alternate interior angles)

Each building must be labeled/named.

All names must be school appropriate.

Neatness is important!!

**THIS SHEET MUST BE TURNED IN WITH YOUR PROJECT!!!! (Worth 2 points extra credit)**

## Geometry Unit 3: Parallel and Perpendicular Lines Project

Name: \_\_\_\_\_ Date: \_\_\_\_\_

### City Designer

You are to design your own city. Your city will have a name and population which must be placed at the top of your project. Your city must have the following and be correct to receive full credit.

3. 5 parallel streets (each street must be named, colored in different colors, created using constructions)
4. 2 transversal streets (each street must be named, colored in different colors)

The following buildings must be placed as directed, colored and look realistic (not just squares).

1. A gas station and a restaurant (alternate exterior angles)
2. Your house and a school (same side interior angle)
3. A courthouse and a bank (vertical angles)
4. A general store and a church (corresponding angles)
5. A library and a park (alternate interior angles)

Each building must be labeled/named.

All names must be school appropriate.

Neatness is important!!

**THIS SHEET MUST BE TURNED IN WITH YOUR PROJECT!!!! (Worth 2 points extra credit)**

**Locations with names: (5 points each)**

- \_\_\_\_\_ A gas station and a restaurant (alternate exterior angles)
- \_\_\_\_\_ Your house and a school (same side interior angle)
- \_\_\_\_\_ A courthouse and a bank (vertical angles)
- \_\_\_\_\_ A general store and a church (corresponding angles)
- \_\_\_\_\_ A library and a park (alternate interior angles)

**Total for Locations: \_\_\_\_\_/25**

**Other:**

- \_\_\_\_\_ City Name and Population (1 point)
- \_\_\_\_\_ At least 5 parallel streets (10 points)
- \_\_\_\_\_ At least 2 transversals (4 points)
- \_\_\_\_\_ Neatness (10 points)

**Total for Other: \_\_\_\_\_/25**

**Total for Project: \_\_\_\_\_/50**

**Locations with names: (5 points each)**

- \_\_\_\_\_ A gas station and a restaurant (alternate exterior angles)
- \_\_\_\_\_ Your house and a school (same side interior angle)
- \_\_\_\_\_ A courthouse and a bank (vertical angles)
- \_\_\_\_\_ A general store and a church (corresponding angles)
- \_\_\_\_\_ A library and a park (alternate interior angles)

**Total for Locations: \_\_\_\_\_/25**

**Other:**

- \_\_\_\_\_ City Name and Population (1 point)
- \_\_\_\_\_ At least 5 parallel streets (10 points)
- \_\_\_\_\_ At least 2 transversals (4 points)
- \_\_\_\_\_ Neatness (10 points)

**Total for Other: \_\_\_\_\_/25**

**Total for Project: \_\_\_\_\_/50**