**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)**

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**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)**

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

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