

Name: _____

LSU8: _____

Date: _____

Objectives:

1. To review the angle relationships we have learned during this unit.
2. To examine relationships between pairs of angles.
3. To examine relationships of angles formed by parallel lines and transversal.

Curriculum Coverage:

Parallel lines, transversal, vertical angles, alternate interior angles, alternate exterior angles, same side interior angles, and corresponding angles.

Materials:

- Foldable
- Examples sheet
- Scissors
- Glue
- Coloring Pencils
- Pencil

Description:

You will draw a map using parallel lines crossed by a transversal. You may choose the location that this map represents. (Ex: a scene from a book, movie, or television show, a historical or local place, etc.) You must include landmarks (houses, businesses, natural landmarks, etc) at each angle formed by the transversal. You will then create a table labeling the landmarks, their angle measures, and their relationship to each other.

Instructions:

In groups three complete the following:

1. On a foldable draw two roads represented by parallel lines. Draw one road represented by a transversal. (Please use a ruler). Choose road names that would be appropriate to your setting. Include a title on the map describing your setting.
2. In each of the corners (angles) formed by the transversal, draw and label a landmark to place at each angle.
3. Create a table to show: the Landmark, Angle Measure, and Relationship to other Landmarks. The table should be neatly drawn or typed.

Example:

Landmark Name	Angle Measure	Relationship
Unicorn Castle	60°	Unicorn Castle and the Kitty Cafe are supplementary angles

You must include the following relationships at least once in your table.

- a. Vertical angles
- b. Alternate interior angles
- c. Alternate exterior angles
- d. Supplementary angles
- e. Corresponding angles

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4. *Maps should be neat and colorful.*
5. *Please use attached rubric to ensure you have met all requirements.*
6. *Write your name on the rubric and staple to your project.*

Grading Rubric

_____ /5 (Participation, behaviour and in-class progress)

_____ /50 points (Completing 11 sections of the foldable)

_____ /55 points Total Project Grade

Teacher Comment: _____

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Student Name: _____**Angle Relationships Project Rubric**

<i>Criteria</i>	<i>Points Possible</i>	<i>Points Earned</i>	<i>Comments</i>
<i>Section1: Map includes 2 parallel lines and 1 transversal line IN BOLD</i>	3		
<i>Section2: Map includes appropriate road names</i>	3		
<i>Section3: Map includes drawn landmarks</i>	8		
<i>Section3: Map includes labeled landmarks</i>	8		
<i>Section4: Table is neatly drawn or typed</i>	2		
<i>Section5: Table includes angle measures</i>	8		
<i>Section 6: Table includes accurate angle relationships</i>	8		
<i>Section 7: Table includes vertical angles</i>	2		
<i>Section8: Table includes alternate interior angles</i>	2		
<i>Section9: Table includes alternate exterior angles</i>	2		
<i>Section10: Table includes supplementary angles</i>	2		
<i>Section11: Table includes corresponding angles</i>	2		

Total out of 50: _____/50 = _____%

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Example:

