Name:

Date:

School:

Facilitator:

5.04 Proving Line Parallel Study Guide

**Match the correct definition to the term**

      1. Exterior Angle a. Angles found along a transversal in between two parallel lines

      2. Interior Angle b. A line that crosses two or more parallel lines

      3. Transversal c. Angles found along a transversal but not in between the parallel lines

**For each of the following angle relationships, state if the angles are congruent or supplementary**

4. Corresponding Angles are      .

5. Alternate Interior Angles are      .

6. Alternate Exterior Angles are      .

7. Same Side Interior Angles are      .

8. Same Side Exterior Angles are      .

**Using the picture below, define the angles relations as either**

1. Alternate Interior
2. Alternate Exterior
3. Corresponding
4. Vertical
5. Adjacent
6. Same Side Interior
7. Same Side Exterior



$∠1$ and $∠3$ are      . $∠8$ and $∠4$ are      .

$∠8$ and $∠11$ are      . $∠4$ and $∠16$ are      .

$∠9$ and $∠5$ are      . $∠8$ and $∠7$ are      .

15 and 4 are      .