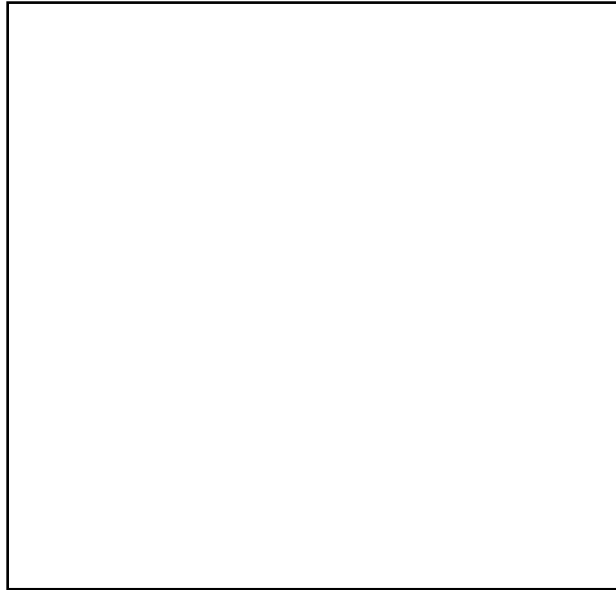# TRANSPARENT TRANSVERSALS LAB

DIRECTIONS:

Using a ruler, create a diagram of parallel lines cut by a transversal. Label each of the eight angles formed in the diagram using the numbers 1-8.

Using the diagram you created, answer the following questions:

1. Which pairs of angles are *corresponding* angles?

2. Which pairs of angles are *alternate interior* angles?

3. Which pairs of angles are *alternate exterior* angles?

4. Which pairs of angles are *same side interior* angles?

5. Which pairs of angles are *same side exterior* angles?

DIRECTIONS:

For each kind of angle pair below, record the angle pair you found in your diagram on the left side of the table. Then, for each pair, determine if the angles are complementary, supplementary, or congruent. Record your answers on the right side of the table.

Corresponding	
Alternate Interior	
Alternate Exterior	
Same Side Interior	
Same Side Exterior	

Which type of angle pairs are supplementary?

Which type of angle pairs are complementary?

Which type of angle pairs are congruent?