**STATION #1:**

Geometric Properties

1. Find the values of x and y in the picture.



2. Find the values of q, r, and s in the picture.



3. Draw and label a picture to represent the following:

1. Line WZ includes points X and Y so that X is the midpoint of segment WY and Y is the midpoint of XZ.
2. Angles WXA and BXY are obtuse vertical angles.
3. Angles AXY and YXC are complementary.
4. BXC is a right angle.

**STATION #2:**

Triangle Congruence

**Determine whether each pair of triangles is congruent. If so, write a congruence statement and explain why the triangles are congruent. If it is not possible, write *not possible.***

1.

2.

3.



4.

5.

6.

Write a two column proof.

4.

**STATION #3:**

Parallelograms







**STATION #4:**

Similar Polygons





**STATION #5:**

Parallel Lines and Transversals



1. Use the figure to find:
	1. x =
	2. m$∡$LAT
	3. m$∡$TAO
	4. m$∡PAO$



1. Find x.



1. Find x.

**STATION #6:**

Proofs

1. 
2. 