**Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Per.\_\_\_\_\_\_\_ Score:\_\_\_\_\_**

**U2 HW #1** *Special Angles Formed by Transversals*



1. Identify the at least two sets of lines in the figure to the right to which each given line is a transversal.
2. line *e*
3. line *g*
4. line *h*
5. line *j*
6. Refer to the figures below. State the angle relationship have in each figure.

|  |  |
| --- | --- |
| 1.
 |  |
| 1.
 | 1.
 |

1. Refer to the figure below; state if the following pairs of angles are alternate exterior angles, alternate interior angles, corresponding angles, vertical angles, or straight angles.
2.  g. 



1.  h. 
2.  i. 
3.  j. 
4.  k. 

1.  l. $∠1 and ∠6$

**Find, Fix, and Justify**

1. Patel and Ari are naming alternate interior angles for the figure below.

They are listing alternate interior angle pairs for angle 3.

Their work is shown below.

Patel



Ari



Who is correct? Explain your reasoning. Show your thought process on the figure above.