

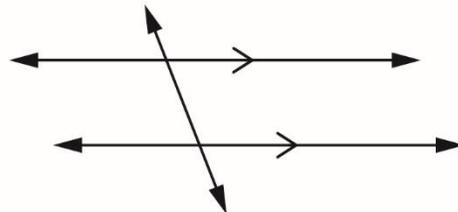
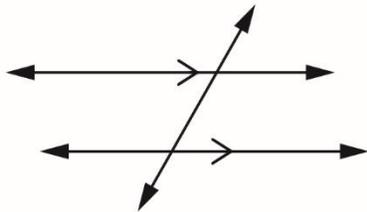
Angle Relationships

Part A:

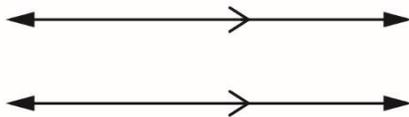
Draw a transversal through each pair of parallel lines, as shown in the examples. Use a protractor to measure all of the angles formed. Label each diagram with the angle measurements.

Look for and make a note of any new relationships you notice between the angle measurements.

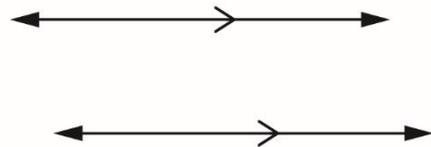
Examples of transversals:



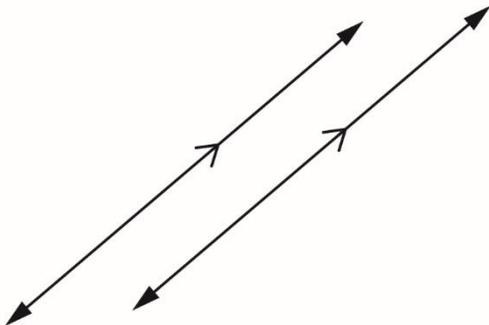
a)



b)



c)



Angle Relationships (cont'd)

Part B:

The two triangles are similar. How do you know?
 Measure the interior angles of each of these triangles.
 What do you notice?

