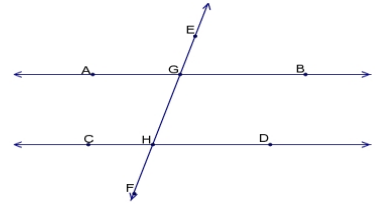


Name: \_\_\_\_\_

### GSP Activity: Parallel Lines and Transversals

#### Observations

1. Select the points A, G, and E (in that order) and from the Measure menu choose Measure  $\rightarrow$  Angle. This should cause the measurement for the angle  $\angle AGE$  to appear. Repeat this for  $\angle EGB$ ,  $\angle AGH$ ,  $\angle BGH$ ,  $\angle GHC$ ,  $\angle GHD$ ,  $\angle CHF$ , and  $\angle DHF$ .
2. Drag the points around and observe how the values of the angles change. Record these angles for four (4) different positions in the table below.



Angle	Position 1	Position 2	Position 3	Position 4
$\angle AGE$				
$\angle EGB$				
$\angle AGH$				
$\angle BGH$				
$\angle GHC$				
$\angle GHD$				
$\angle CHF$				
$\angle DHF$				

3. In the diagram below, indicate which angles are equal to each other (use  $\bullet$  and  $\times$  to show which angles are equal).

