**Geometry U 2-1 Three Sides for the Triangle Put all work and responses on another paper.**

1] [a] Construct a copy of this triangle on

 your paper.

 [b] Is it possible for someone else to copy

 the three sides of this triangle but end up

 with a different shape? Explain your response.

2] Suppose you have three segments that are

 18 inches, 27 inches, and 3 inches long.

 [a] How many triangles are possible with these three segments as sides?

 JUSTIFY your response.

 [b] Draw as many different triangles as you can with these three segments for sides.

3] Suppose you have three segments that are

 2$\frac{3}{4}$ inches, 2 inches, and 3 inches long.

 [a] How many triangles are possible with these three segments as sides?

 JUSTIFY your response.

 [b] Draw as many different triangles as you can with these three segments for sides.

4] With your protractor, measure / CDF

 in degrees.

5] Construct a copy of / CDF.

 Show your arc marks.

6] Bisect your copy of / CDF. Show your arc marks.

7] Explain in words what the Side-Side-Side

 Postulate means.