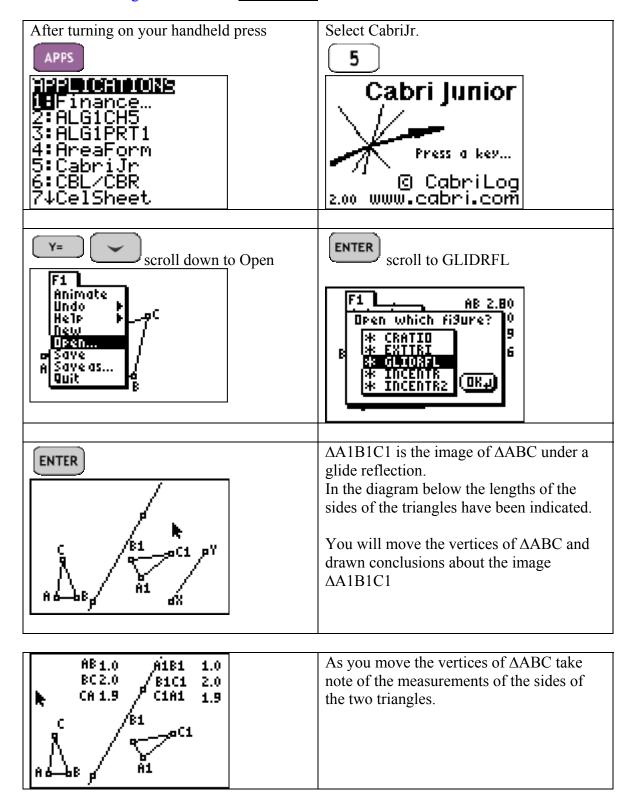
Student Worksheet for G.G.55 Investigate, justify, and apply the properties that remain invariant under glide reflections DISTANCE



1.) Select grab and drag point A.						
What is changing?						
What is remaining the same?						
2.) Select grab and drag point B.						
What is changing?						
What is remaining the same?						
3) Select, grab and drag point C. As you move point C stop and record 5 successive						
trials by entering the distances in the table below.						
Trial #	AB	A1B1	BC	B1C1	CA	C1A1
1						
2						
3						
4						
5						
4) What seems to be true about the distances AB and A1B1? 5) Name any other pairs of segments that share this same property 6) Under the transformation glide reflection is distance preserved?						
6) Under the transformation glide reflection is distance preserved?						
7) In your own words explain what it means when a property is preserved.						