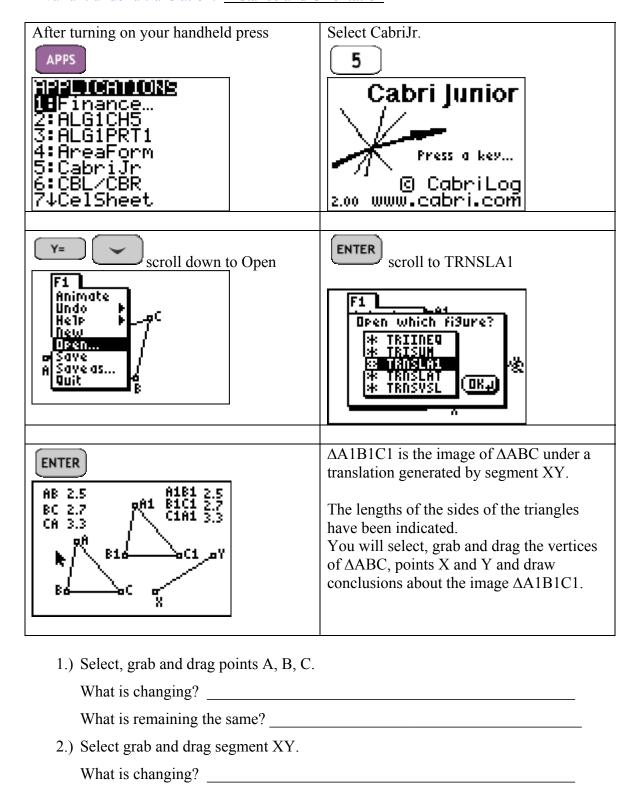
Student Worksheet for G.G.55 Investigate, justify, and apply the properties that remain invariant under a translation. Distance and Orientation



What is remaining the same?

3.) Select grab and drag point X or point Y.								
What is changing?								
	What is remaining the same?							
	4) As you select, grab and drag point A, B, C, X, Y stop and record 5 successive							
trials by entering the distances in the table below.								
Tr	ial #	AB	A1B1	BC	B1C1	CA	C1A1	
1								
2								
3								
4								
5								
	 5) What seems to be true about the distances AB and A1B1?							
9) In ΔABC as you move from point A to point B to point C is this movement clockwise or counterclockwise?								
10) In ΔA1B1C1 as you move from point A1 to point B1 to point C1 is this movement clockwise or counterclockwise?								
	11) This movement helps us to define the orientation of the pre-image and the image							
	Is orientation preserved under a translation?							