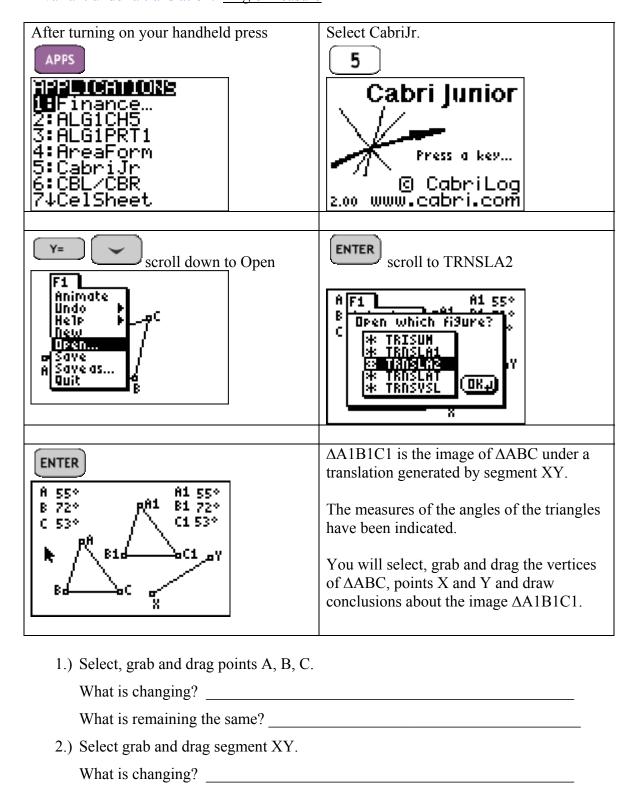
Student Worksheet for G.G.55 Investigate, justify, and apply the properties that remain invariant under a translation. Angle Measure



What is remaining the same?

) Sele	ci grab and	drag point X c	or point Y.			
	Wha	t is changin	g?				
	Wha	t is remaini	ng the same?				
4)	Selec	t, grab and o	lrag point A, I	B, C, X or Y	. As you move	the point, s	top and
re	cord 5	successive	trials by enter	ing the meas	sures of the ang	gles in the ta	ble below.
Trial #		∠ABC	∠A1B1C1	∠BCA	∠B1C1A1	∠CAB	$\angle C1A1B$
5)) Wha	t seems to b	e true about tl	ne measures	of $\angle ABC$ and	l ∠A1B1C1	?
6)	Nam	ne two other	pairs of angle	es that demoi	nstrate this san	ne property.	
6)7)					nstrate this san		