Name:	Date	: Pe	eriod:	Egypte (IO 🚳 Versenses)
	Sliding Arou	nd 1.3		(Zibble)
A transformation is the change in the size or position of a figure. A translation is a transformation in which each point of a figure moves the same distance and in the same direction.				
A.	Translate ΔABC to become ΔA'B'C' using the	steps below.		Symmetry Transform
		From A, count down 2 the new point A' (A-pr Find and label points E left 3 units. Draw ΔA'B'C'.	rime).	•
	9 2 4 6 ^x			
В.				
·				
	1. What does this tell you about the effect that translations have on side lengths? There is no effect on the Side lengths.			
C.	2. Using the definition of translation above, All points were moved Same direction, 2 do Using a protractor, measure the angles of AA	explain why ΔA'B'C' is a	translation of ΔABC.	&
	m = A 35 m = A 35 m = B 90 m = B 90 m = c 55 m = c 55 m = c 55			
	 Compare ∠A to ∠A', ∠B to ∠B' and ∠C to Corresponding angles What does this tell you about the effect to the control of the contro	uent. n angles?	ir?	
	There is no effect o	n angles.		

D. When **translating** a figure, what can you summarize about each of the following?

The corresponding angles ave Congruent

The corresponding side lengths are conquent.

