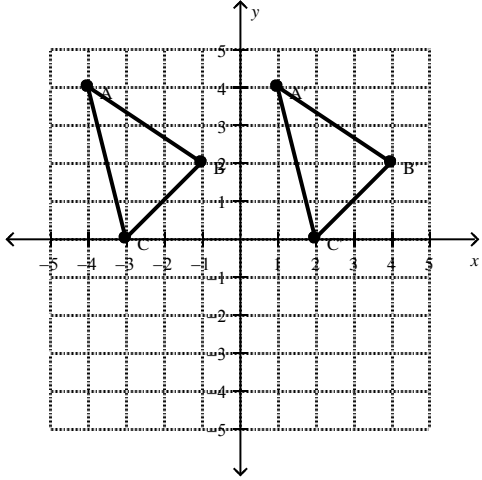
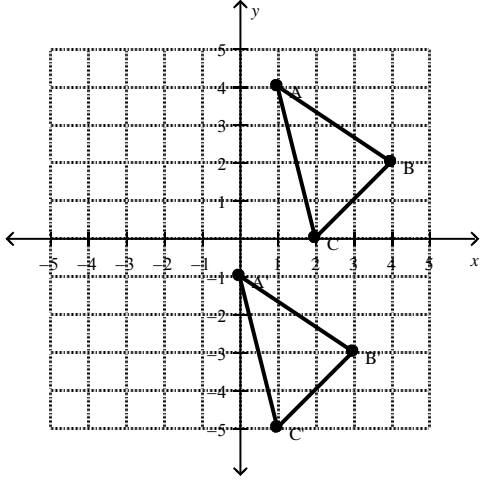
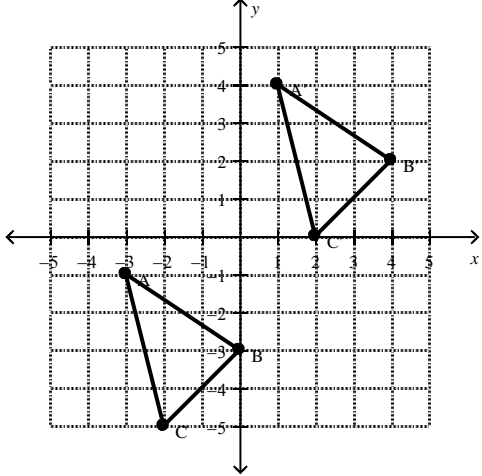


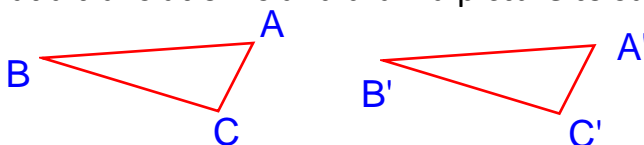
An Introduction to Translations

NAME _____ **KEY**

For each translation below, describe in words how the figure was moved, list the coordinates for the original figure and the translated figure, and then write a rule for the translation.

	Description in Words	Original and Translated Coordinates	General Rule
	<p>Shift 5 units to the right</p>	<p>$A(-4, 4) \rightarrow A'(1, 4)$ $B(-1, 2) \rightarrow B'(4, 2)$ $C(-3, 0) \rightarrow C'(2, 0)$</p>	<p>$(x + 5, y)$</p>
	<p>Shift 1 unit to the left and 5 units down</p>	<p>$A(1, 4) \rightarrow A'(0, -1)$ $B(4, 2) \rightarrow B'(3, -3)$ $C(2, 0) \rightarrow C'(1, -5)$</p>	<p>$(x + -1, y + -5)$</p>
	<p>Shift 4 units to the right and 5 units up</p>	<p>$A(-3, -1) \rightarrow A'(1, 4)$ $B(0, -3) \rightarrow B'(4, 2)$ $C(-2, -5) \rightarrow C'(2, 0)$</p>	<p>$(x + 4, y + 5)$</p>

Describe in words what a translation is and draw a picture to support your answer. On the back of this sheet.



A translation is a shift to the right or left and/or up or down a number of units.