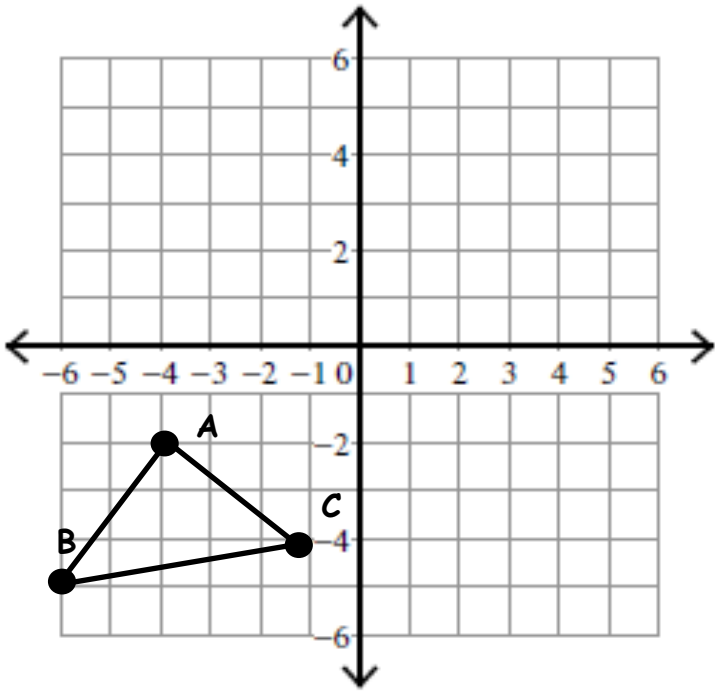
Name_____ Period_____

Independent Practice

1. Translate 3 units <u>right</u> and 2 units <u>up</u>. Rule: (x + 3), (y + 2). Write the coordinates of the original figure and the image figure.



A=(	)	A'=(	)
B=(	)	B'=(	)
C=(	)	C'=(	)

What do you notice about the x values compared to the x' values and the y values compared to the y' values?

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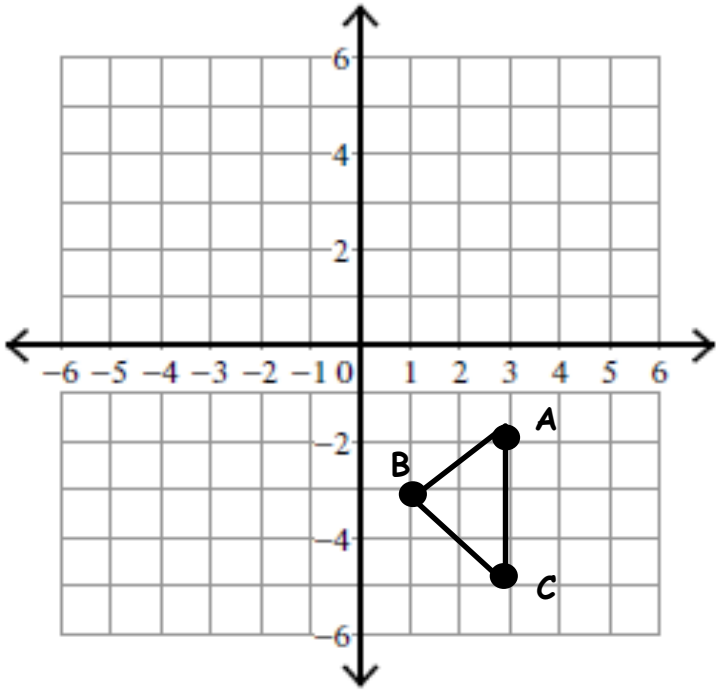
2. Translate the figure using the rule (x – 4, y + 7). Write the coordinates of the original figure and the image figure.



A=(	)	A'=(	)
B=(	)	B'=(	)
C=(	)	C'=(	)

What do you notice about the x values compared to the x' values and the y values compared to the y' values?

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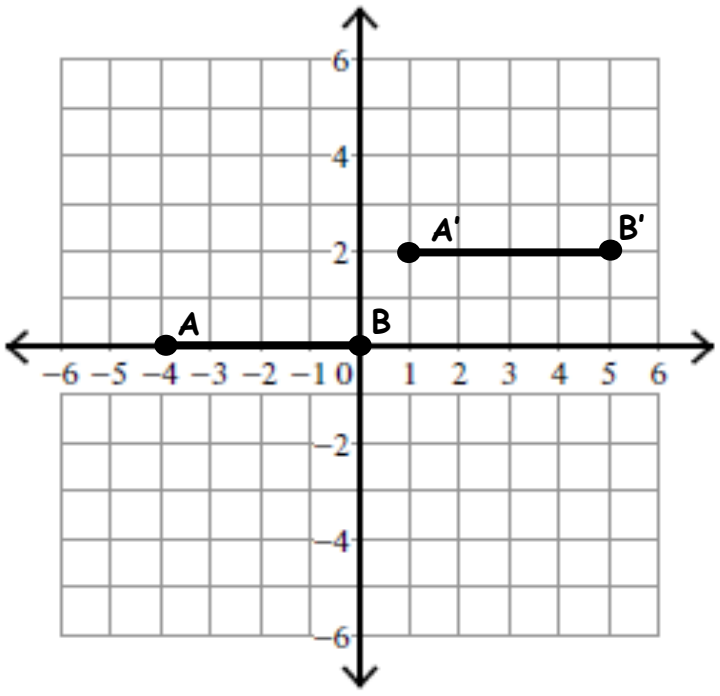
3. Write the coordinates of the original figure and the image figure. Then write the rule for the following translation.

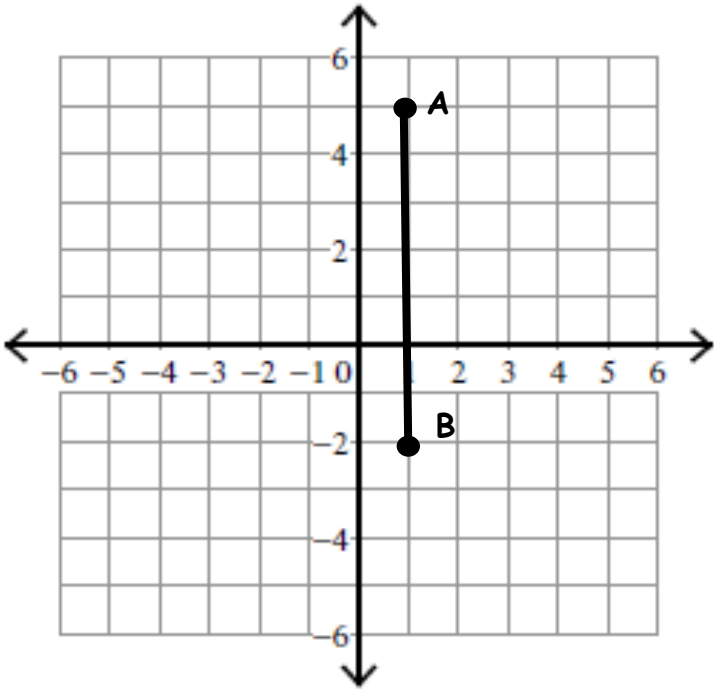


A=( )	A'=( )
B=( )	B'=( )
C=( )	C'=( )

Rule:

(,)

4. Translate the figure using the rule (x + 2, y – 0). Write the coordinates of the original figure and the image figure.



A=( )	A'=( )
B=( )	B'=( )

What do you notice about the x values compared to the x' values and the y values compared to the y' values?

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