Name: _____

A changes a figure into another figure.					
The original figure is called the, the new figure is called the					
A is a transformation in which a figure slides, but doesn't					
Every in the	figure moves the same	_ and in the same			

Ex:) <u>Tell</u> whether the blue figure is a translation of the red figure.



OYO:) <u>Tell</u> whether the blue figure is a translation of the red figure.

Notes:



Notes:

Ex:) Translate the red triangle 3 units right and 3 units down.

What are the coordinates of the image?



OYO:) Translate the figure 4 units right and 1 unit up. What are the coordinates of the image?

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		2		
		1		
•	-3 -2	0	1 2	3 4 x
w	v	-2		
_		4		

Ex:) The vertices of a triangle are A(6, 5), B(6, 3), and C(2, 3). The triangle is translated 2 units right and 5 units down. What are the coordinates of the image?

OYO:) The vertices of a triangle are A(-2, -2), B(0, 2), and C(3, 0). Translate the triangle 1 unit left and 2 units up. What are the coordinates of the image?

Notes:

Ex:) A landscaper represents a park using a coordinate plane. He draws a square with vertices A(1, -2), B(3, -2), C(3, -4), and D(1, -4) to represent the location of a new fountain. City officials want to move the fountain 4 units left and 6 units up. Find the coordinates of the image. Then draw the original figure and the image in a coordinate plane.



OYO:) A neighborhood planner uses a coordinate plane to design a new neighborhood. The coordinates A(1, -1), B(1, -2), and C(2, -1) represent House A, House B, and House C. The planner decides to place a playground centered at the origin, and moves the houses to make space. House A is now located at A'(3, -4). What are the new coordinates of House B and House C when each house is moved using the same translation? Justify your answer.

Т у					
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