

Name: _____

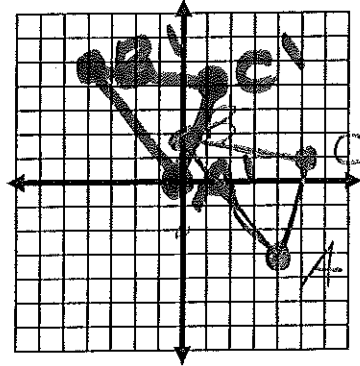
Period: _____

~~TRANSLATION HOMEWORK~~
CLASSWORK 11/14

Fill in the tables and graph the pre and post images on the coordinate plane.

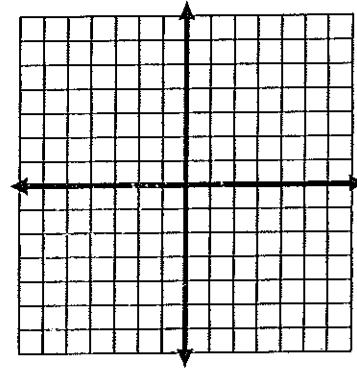
1. The vertices of triangle ABC are A(4, -3), B(0, 2), C(5, 1). Translate the triangle 4 units left and 3 units up. Fill in the chart completely. Graph both triangles.

Pre-Image	Process ($x-4, y+3$)	Post-Image
A(4, -3)	$4-4$ $-3+3$	A'(0, 0)
B(0, 2)	$0-4$ $2+3$	B'(-4, 5)
C(5, 1)	$5-4$ $1+3$	C'(1, 4)



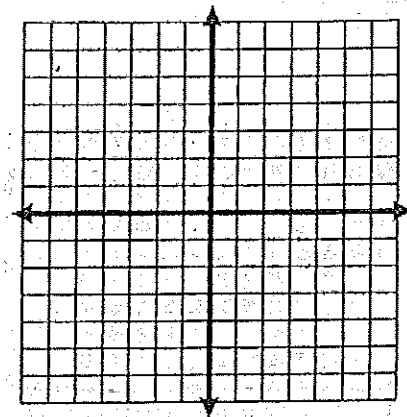
2. Fill in the chart below. Translate the figure 3 units up. Graph both images.

Pre-Image Step 1	Process ($x+0, y+3$)	Post-Image
A(-4, 4)		
B(1, 4)		
C(3, -3)		
D(-4, -3)		



3. Given triangle KPR with coordinates K(-1, 3), P(-2, 0), and R(2, -2). Translate ($x+2, y-1$). Graph the pre-image and post-image of triangle KPR and give the coordinates of the post-image. Describe the movement (using directions up, down, right, left).

Pre-Image Step 1	Process (x, y)	Post-Image



4. Describe the movement using directions and variables

a. A(2, -6) → A'(7, -2) (x + 5, y + 4)

b. B(-4, -1) → B'(-3, -4) (x + 1, y - 3)