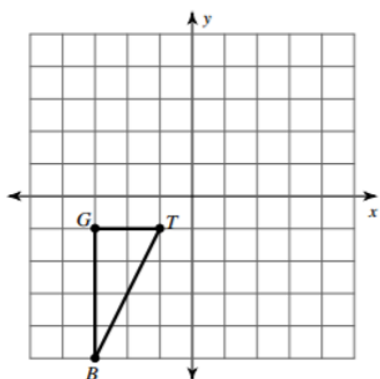


Geometry

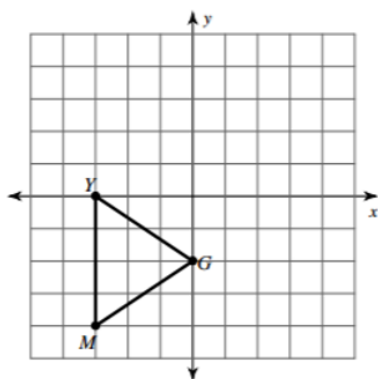
Translation Practice

Graph the image of the figure using the transformation given.

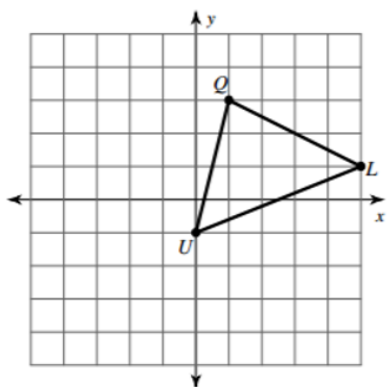
1) translation: 5 units right and 1 unit up



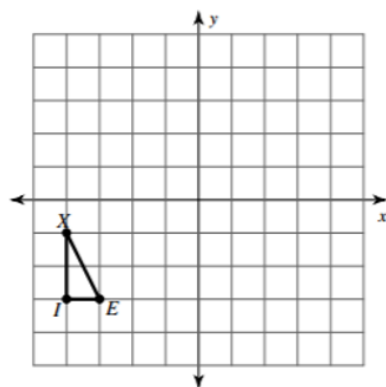
2) translation: 1 unit left and 2 units up



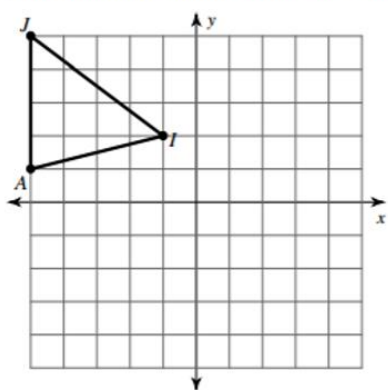
3) translation: 3 units down



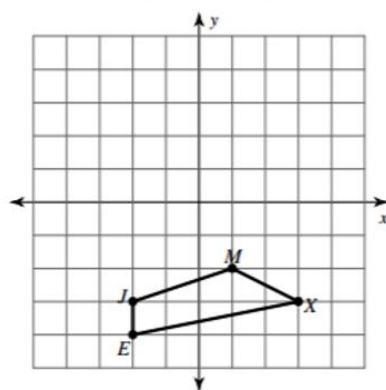
4) translation: 5 units right and 2 units up



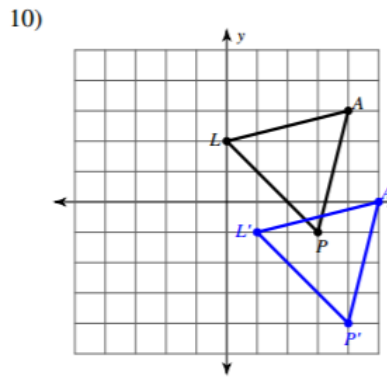
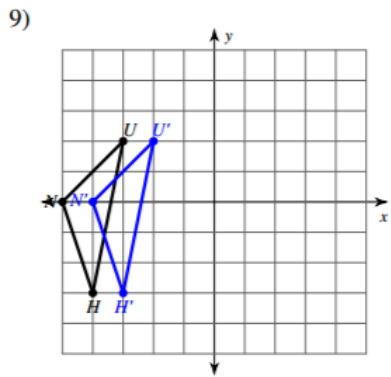
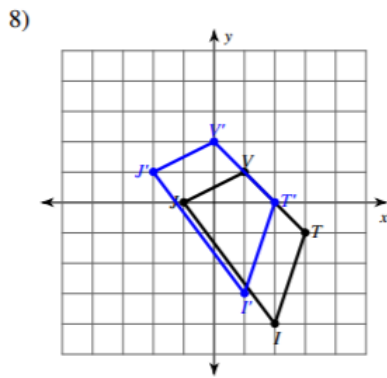
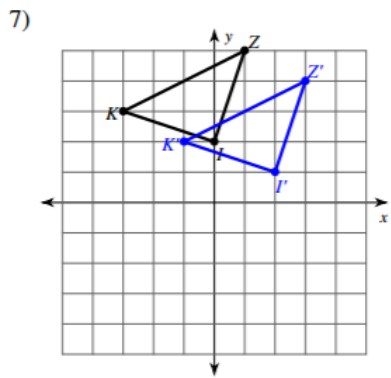
5) translation: 4 units right and 4 units down



6) translation: 2 units right and 3 units up



Write a rule to describe each transformation.



Describe each translation and find the image for A(-2, 3).

	Translation	Description	A'
11.	$\langle -5, 2 \rangle$		
12.	$\langle 3, -4 \rangle$		
13.	$\langle 4, 1 \rangle$		
14.	$\langle -1, -3 \rangle$		
15.	$\langle 0, 4 \rangle$		
16.	$(x, y) \rightarrow (x - 3, y - 4)$		
17.	$(x, y) \rightarrow (x + 3, y)$		
18.	$(x, y) \rightarrow (x - 2, y + 5)$		
19.	$(x, y) \rightarrow (x + 3, y + 1)$		
20.	$(x, y) \rightarrow (x, y + 8)$		