

Name: _____ Date: _____ Class: _____

Stations: Transformation Properties Individual Record Sheet

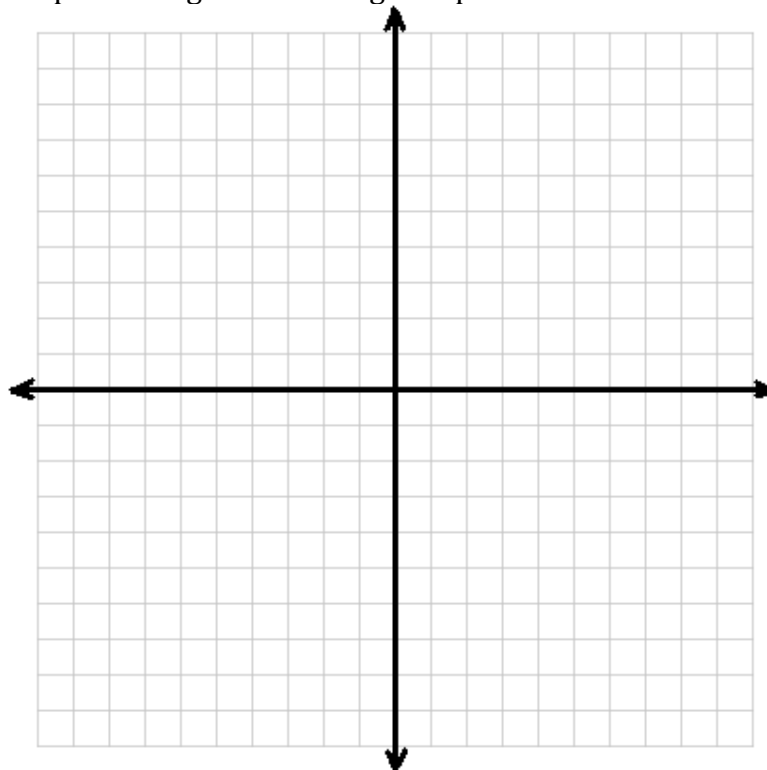
Station A:

Original	Scale factor	Image
A (-1 , -1)	x3	A' (,)
B (0 , 1)		B' (,)
C (2 , 2)		C' (,)
D (3 , 0)		D' (,)

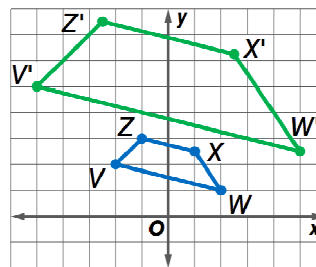
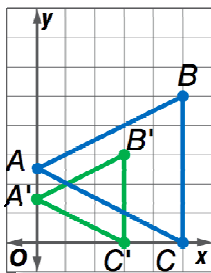
Name all the pairs of corresponding sides:

_____ → _____
 _____ → _____
 _____ → _____
 _____ → _____

Graph the original and image shapes here:



Station B:



Original	Scale factor	Image
	?????	
A (,)		A' (,)
B (,)		B' (,)
C (,)		C' (,)
This dilation is:		
A reduction	An enlargement	

Original	Scale factor	Image
	?????	
This dilation is:		
A reduction		An enlargement

Station C:

Card #	Transformation or combination	Are the Original and Image <i>Similar</i> ?	Are the Original and Image <i>Congruent</i> ?
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			

Look at your results above. Which translations always result in congruent figures? Explain why.

Which transformation results in similar, but not congruent images? Explain why. _____
