Unit 1 Day 6 CW

Name:_____

Classwork: Given the patterns seen above, can you predict the domainage given a pre-image domain/range? Let's try:	ain/range of an Side note about notation: **If your data are Discrete, their domain is a list of values
 Given a relation composed of points A(2,5), B(1, -6), and C a. State the domain and range of the relation: D: {} R: {} 	
b. State the domain and range of the image when the relation is:	
i. Translated right 2 and down 3 :	iv. Reflected in the line $y=x$:
D: {} R: {}	D: {} R: {}
ii. Reflected in the x-axis:	v. Rotated 90°:
D: {} R: {}	D: {} R: {}
iii. Reflected in the y-axis:	vi. Dilated by a factor of 7 with a center of (0, 0):
D: {} R: {}	D: {} R: {}
 2. Given a line segment with endpoints (0,4) and (3,0), a. State the domain and range of the segment. D:≤ x ≤ R:≤ y ≤ b. State the domain and range of the image when the relation is: i. Translated right 2 and down 3 : iv. Reflected in the line y=x: 	
D:	D:
R:	R:
ii. Reflected in the x-axis:	v. Rotated 90°:
D:	D:
R:	R:
iii. Reflected in the y-axis:	vi. Dilated by a factor of 7 with a center of (0, 0):
D:	D:
R:	R:

3. Is there a way to use your known algebra rules to predict the domain and range of an image give information about the pre-image?