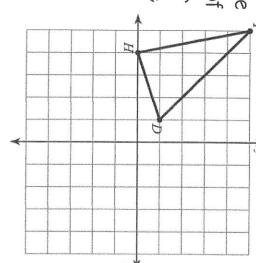
S If trapezoid EFGH is what would be the coordinates were reflected over the y-axis, reflected over the x-axis, what If the triangle the new image? coordinates of will be the of Kin m I 2 Which 0 20 reflection of triangle x over the y-axis? figure is a Dilation Rotation Translation Reflection performed in Figure SXU to Figure S'X'U'? transformation describes the Which best

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coordinates of point H' after a 180 degree What are the around the clockwise origin? rotation



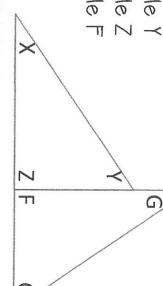


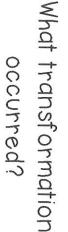


In the figure below, Triangle GCF has Which angle is congruent to angle C? been rotated 90 degrees counterclockwise to create Triangle XYZ

- Angle G Angle Y
- Angle Z
- Angle F







Ω Translation

translated so that If figure LZJD is

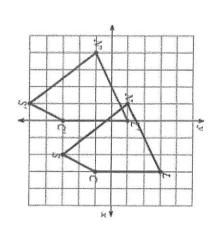
the image of Z is

Z' at (1, 2), then

what will the

- 0 Rotation
- Reflection
- Dilation







point D be after

coordinates of

the translation

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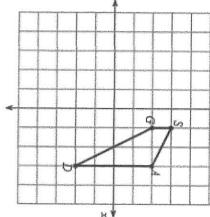
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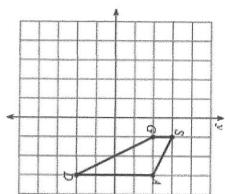


Which translation will move the point S to the location (-1,0)?

- Left I, Down 5
- Left I, Down O
- Left 2, Down 3
- Left 3, Down 2









origin is (12, 40). What is the The image of (3, 10) after a dilation with respect to the scale factor?



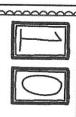


figure that is congruent but not transformations can create similar to the original figure? Which of the following

- Reflection
- Rotation
- Dilation
- Translation
- I only III only I and II
- I, II, and IV





(7, 4) after a dilation of 2? What is the image of point

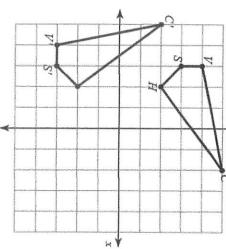






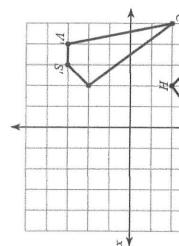
Which rule describes the following transformation?

- Reflection across
- D about the origin counter-clockwise Rotation 90°
- Q 0 left 6 units down Translation: I unit
- Reflection across the x-axis





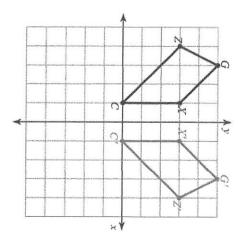




Quadrilateral GXCZ is reflected

across the y-axis.

parallel to side transformed Which side is GX on the figure?

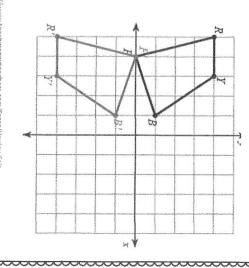


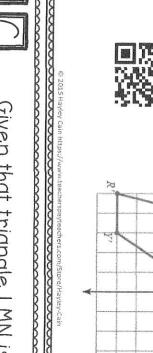


Quadrilateral RYBF is reflected across the x-axis.

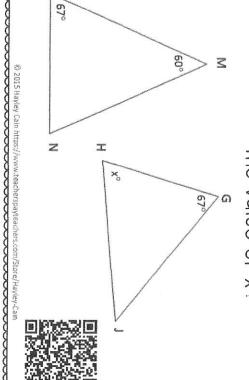
congruent to What side is side YB?







similar to triangle GJH, what is Given that triangle LMN is the value of x?

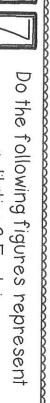




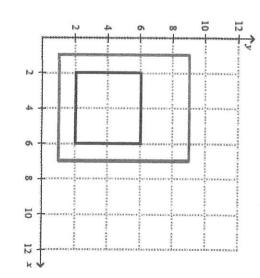








Do the following figures represent a dilation? Explain.









riangle XYZ undergoes a transformation. Based on the new coordinate which transformation occurred?

Z: (-8, -4)	Y: (0, 2)	X: (6, 4)	Triangle XYZ
Z': (-4, -2)	Y': (O, 1)	X': (3, 2)	Triangle X'Y'Z'

- Dilation with a scale factor of 2
- 0.0 Translation 3 units left
- Dilation with a scale factor of 0.5
- 20 Translation I unit down





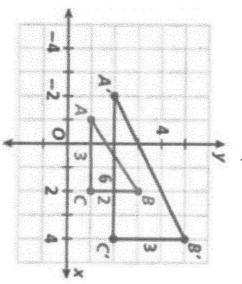
Triangle ABC undergoes a translation of resulting Triangle A'B'C'. What are the coordinates for the new vertices? 5 units up and I unit to the right,

C: (I, 7)	B: (0, 2)	A: (3, 4)	Triangle ABC
			Triangle A'B'C





Do the following figures represent a dilation? Explain.



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Name:		200000000000000000000000000000000000000	Date:	01855:
	Transformation	Transformations Task Cards Answers	Answers	Control Control
			<u>-</u>	CT .
0			<u> </u>	
		13		
		18	<u>1</u> 9	20

Name: Transformations Task Cards ANSWER KEY Date: Class:

		V-1	
16 x = 53°	III Scale Factor of 4	6 B. Angle Y	1 K': (-2, -2)
No	12 (14, 8)	D': (-1, -2)	2 Triangle B
□ A': (4, 9) B': (1, 7) C': (2, 12)	B. Rotation 90° counter-clockwise	A. Translation	B E': (-4, 1) F': (-2, 1) G': (-1, 4) H': (-5, 4)
Ig C. Dilation with a scale factor of 0.5	IJ∰ Side Y'B'	G. Left 2, Down 3	B. Rotation
20 No	15 Side Z'C'	D. I, II, and IV	5 H': (4, 0)