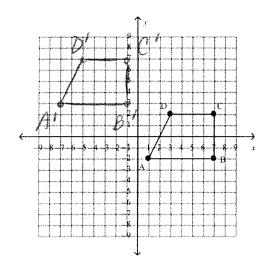
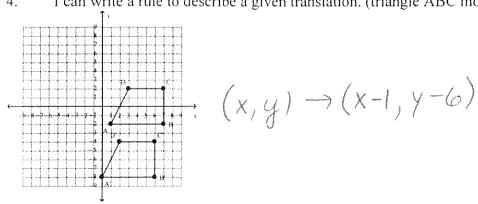
Geometry Unit 1 Review

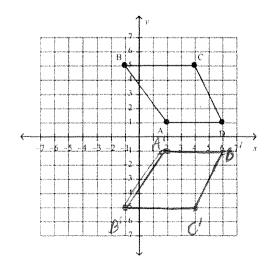
I can translate a polygon on the coordinate plane by using a rule. Draw and lable the image by following the rule: $(x, y) \rightarrow (x - 8, y + 5)$



4. I can write a rule to describe a given translation. (triangle ABC moves to A'B'C')

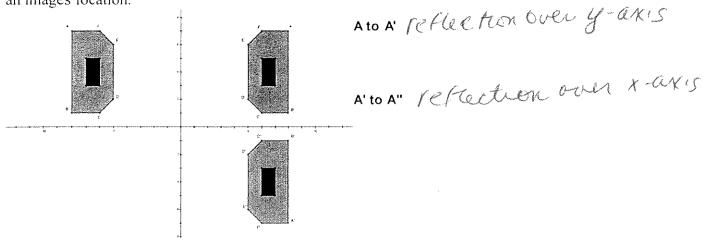


5. I can reflect a polygon across the x-axis on the coordinate plane. Highlight the line of reflection. Draw and label the image.

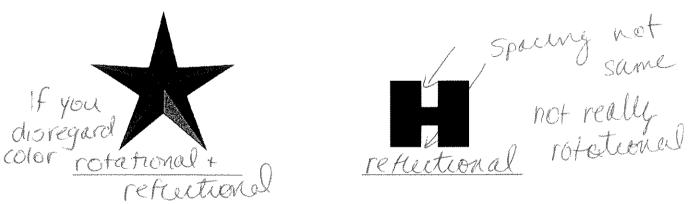


Geometry Unit 1 Review

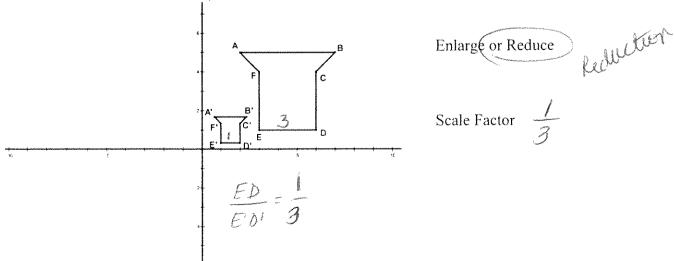
9. I can recognize and explain a composition (combination) of transformations that change an images location.



10. I can identify rotational vs. reflectional symmetry. Use the words Rotaional, Reflectional, Both or Neither.

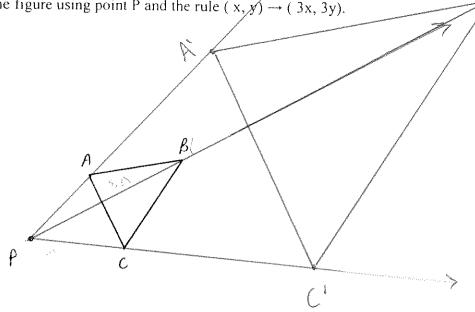


11. I can recognize and explain a dilation in terms of reduction or enlargement. Also find the dilation (scale) factor.



16. Dilate the figure using point P and the rule $(x, y) \rightarrow (3x, 3y)$.





- 17. Use the diagram at the right. Show ALL work for all parts.
 - a) Solve for x algebraically.
 - b) Find RS
 - c) Find ST
 - d) Find RT.

Sisthe midpoint of RT

$$0) 5x-3=2x+12$$

$$-2x$$

$$-2x$$

$$-2x$$

$$-3x-3=12$$

$$-3x-15$$

$$-3x-15$$

$$-3x-15$$

$$-3x-15$$

$$-3x-15$$

$$-3x-15$$