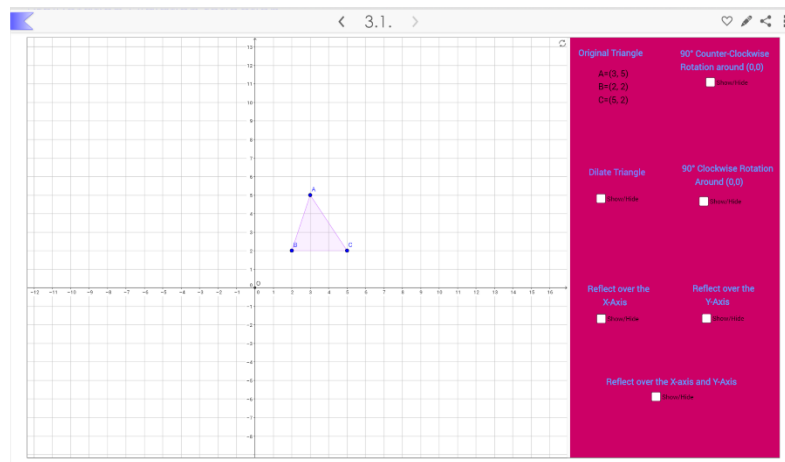


Name: \_\_\_\_\_

Type in this web address <https://goo.gl/ofiaOI>.

Steps

1. Spend 5 minutes playing around with the buttons and figuring out how they work.
  - a. Look at how the points change with the rotations, reflections, and dilations. (Hint: You can move the original triangle on the graph)



2. Answer the following questions.
  - a. How do the points change from the original triangle to a  $90^\circ$  counter-clockwise rotation?
  - b. How do the points change from the original triangle to the  $180^\circ$  counter-clockwise rotation?
  - c. How do the points change from the original triangle to the  $270^\circ$  counter-clockwise rotation?
  - d. Are there any similarities between the clockwise rotation and the counter clockwise rotation?
  - e. What happens to the points when dilation is 2? How about 3? How about 0.5?
  - f. What happens to the points when reflected over the x-axis?
  - g. What happens to the points when reflected over the y-axis?
  - h. What happens to the points when reflected over the x and y-axis?
  - i. What happens to the reflections when you move the original triangle around? Does this change your idea on how the points change with the reflections?