

**Coordinate Reflections Directions**

1. Draw and label the x-axis and y-axis on your grid paper.
2. Label each quadrant.
3. In quadrant 1, draw a five-sided shape. Use the grid points for vertices and label the vertices, ABCDE.
4. Next, use the y-axis as a line of symmetry and draw the reflection of shape in the second quadrant. Call it figure 2 with labeled vertices, A’B’C’D’E.
5. Now use the x-axis as a line of symmetry. Reflect the figure in both quadrants 3 and 4. Name and label each figure.
6. Write in each quadrant, the coordinates for each of the figures points.
7. Discuss with your group, your results from this activity. Are the figures similar, why?
8. Complete your formative assessment provided.

(Picture)http://www.google.com/imgres?q=reflections+on+a+coordinate+plane+using+axis+as+symmetry&hl=en&biw=829&bih=384&tbm=isch&tbnid=elEpblgPF7gdiM:&imgrefurl=http://web.me.com/mocote/Grade\_Seven\_Math/This\_Week/Entries/2011/5/10\_Cartesian\_Coordinate\_Plane.html&docid=pr9vL9OuZzt8BM&itg=1&imgurl=http://web.me.com/mocote/Grade\_Seven\_Math/This\_Week/Entries/2011/5/10\_Cartesian\_Coordinate\_Plane\_files/droppedImage\_1.jpg&w=223&h=194&ei=AhfZTpiPMYPf0QGf5qj1DQ&zoom=1&iact=hc&vpx=109&vpy=103&dur=1&hovh=155&hovw=178&tx=132&ty=78&sig=113541541435976911165&page=1&tbnh=91&tbnw=105&start=0&ndsp=11&ved=1t:429,r:0,s:0