

Assignment on Dilation

Use the grid provided to complete the dilation:

Draw the polygon whose vertices are $(2,4)$, $(8,4)$ and $(2,12)$.

Create a polygon 2 that is a dilation of the first triangle, but whose sides are twice those of the first triangle.

Find the length of the sides and the area of each triangle. What do you notice about the relationship of the sides of the two polygons? What do you notice about the relationship of the two area?

How are the vertices of two triangles related?

Find the center of the dilation?

