

DILATIONS

* Pre images & images will be the same shape & will face the same direction, but will have different sizes.

Similar Figures

same shape different size
 angle measures will be the same and lengths will be proportional.

Bigger \rightarrow enlargement $(x,y) \rightarrow (2x, 2y)$

Smaller \rightarrow reduction $(x,y) \rightarrow (\frac{1}{2}x, \frac{1}{2}y)$ scale factor

Vertical stretch $\rightarrow (x,y) \rightarrow (x, 2y)$

horizontal stretch $\rightarrow (x,y) \rightarrow (2x, y)$

Sometry \rightarrow transformed figures are congruent

* Dilations are not someties

