Vocabulary: Similar Figures



**Vocabulary**

* Image – a figure that has been transformed, compared to the original figure (the preimage).
	+ Transformations include resizing, reflecting, rotating, or translating a figure.



* Preimage – the original figure, before being transformed.
* Scale factor – the ratio of the lengths of the corresponding sides of two similar figures.
	+ For example, the side lengths of quadrilateral *EFGH* are twice as long as the side lengths of quadrilateral *ABCD*, so the ratio of the lengths of each pair of corresponding sides is 2.
* Similar – having the same shape, but not necessarily the same size.
	+ The symbol ~ means “is similar to.”
	+ For example, quadrilaterals *ABCD* and *EFGH* above are the same shape, but not the same size, so *ABCD* ∼ *EFGH*.