

Th. 11.1 Areas of Similar Polygons

If 2 polygons are \sim , then their areas are proportional to the square of the scale factor between them.

If $ABCD \sim FGHJ$,

$$\frac{\text{Area of } FGHJ}{\text{Area of } ABCD} = \left(\frac{FG}{AB}\right)^2$$

