

## **Def. of similar polygons**

**2 polygons are similar iff their corresponding  $\angle$ 's are  $\cong$  and the measures of their corresponding sides are in proportion.**

**The symbol for similar is  $\sim$**

# **Def. of scale factor**

The **reduced** ratio of the corresponding sides

## Th. 7.1

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**If 2 polygons are  $\sim$ , then their perimeters are proportional to the scale factor between them.**