§7.2 Similar Polygons

Similar polygons have the same shape, but not the same size,

Definition:

Two polygons are similar if and only if their corresponding angles are congruent and their corresponding sides are proportional.

The ~ symbol is used to mean "is similar to".













You try it.

List all pairs of congruent angles and write a statement of proportionality for the figures.

1. $\Delta STU \sim \Delta CDE$

2. $\Delta LMN \sim \Delta GHI$

3. quadrilateral QRST ~ quadrilateral ABCD













