February 27, 2012

Any homework to correct?



2/27 - Similar Figures



Original Photograph

Similar means: Same proportions different size



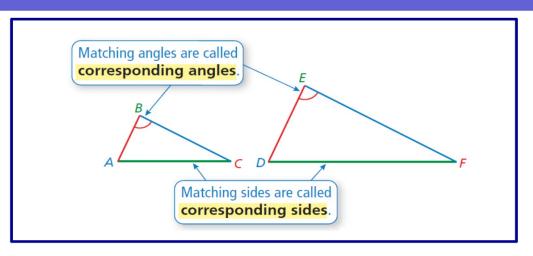
Distorted



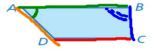
Distorted



Proportional

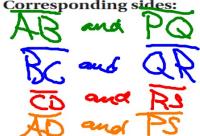


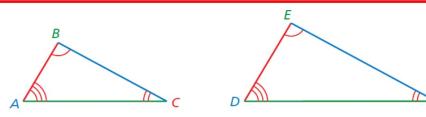
The trapezoids are similar. (a) Name the corresponding angles. (b) Name the corresponding sides.



a. Corresponding angles:







Triangle ABC is similar to triangle DEF: $\triangle ABC \sim \triangle DEF$

def. Similar Two figures are similar if

- corresponding side lengths are proportional, and
- corresponding angles have the same measure.

Side Lengths

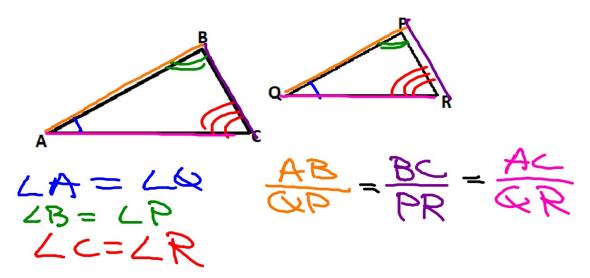
 $\frac{Angles}{A = Z}$

Discuss with your partner:

Give examples of two real-world objects whose shapes are similar. Flag inclassroom and Flag by a stove Square Calendar and Square poster

Are two figures that have the same size and shape similar? Explain.

List all corresponding angles using equations and corresponding sides using proportions.



Homework

GOLD Similarity WS1

Due Tuesday