February 16, 2012

Get out everything that needs to be scored.

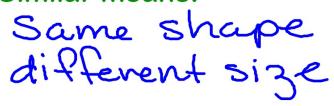
M7H

2/16 - Similar Figures



Original Photograph

Similar means:





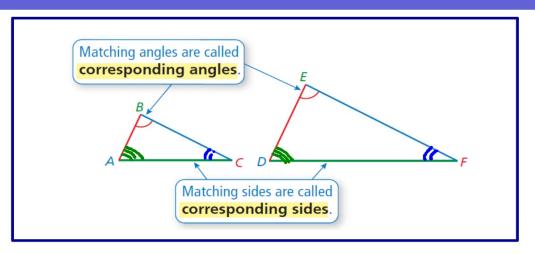
Distorted



Distorted



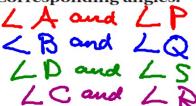
Proportional

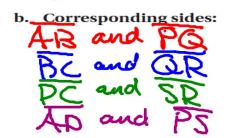


The trapezoids are similar. (a) Name the corresponding angles. (b) Name the corresponding sides.

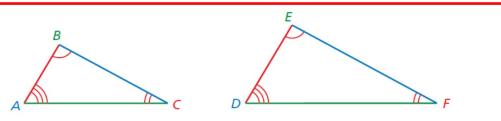


a. Corresponding angles:





Q



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

new continition

rew (Two figures are similar if

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

Side Lengths

Angles

$$\angle A = \angle D$$

 $\angle B = \angle E$
 $\angle C = \angle F$

Discuss with your partner:

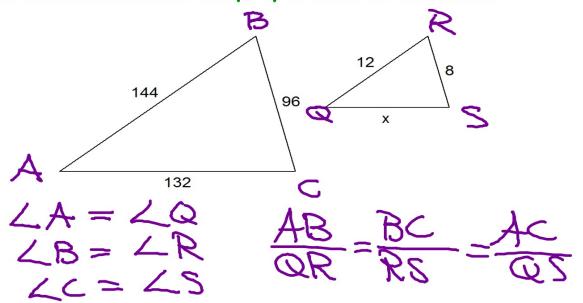
Give examples of two real-world objects whose shapes are similar.

Square rug + a square napkin flag inside + flag out side game dier + fuzzy dice

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

yes - if fits the new artinition

Label each pair of figures (start with A on the left figure and Q on the right figure) then list all of the corresponding angle similarities and the proportions of the sides.



Homework

White Similarity WS1

Due Tuesday