Name:

Section 11.2-Similar Triangles

Similar Polygons -- Review

- What are the properties of similar polygons?
- \odot We can find missing measurement with similar polygons. Assume: SMAL~BIGE, and solve for X, Y



Why do we care about Similar Triangles? (Continued)

- Could they have similarity shortcuts?
 - **O** What would the "Side" part of similarity shortcuts mean?

Will just "Angle" Work?

• Are two triangles similar if you only know that one pair of corresponding angles are congruent?

Will "Side-Side" Work?

 Are two triangles similar if given that two sets of corresponding sides are proportional?

So...why do we care about Similar Triangles?

- Triangles have special properties
 - Congruence shortcuts:



Will "Side-Side-Angle" Work?