$\qquad$ Date: $\qquad$ Class Hour: $\qquad$

## Section 11.2-Similar Triangles

Similar Polygons -- Review
© What are the properties of similar polygons?
-
-
© We can find missing measurement with similar polygons. Assume: SMAL~BIGE, and solve for $X, Y$

$X=$ $\qquad$

$Y=$ $\qquad$

So...why do we care about Similar Triangles?
© Triangles have special properties

- Congruence shortcuts:

0 $\qquad$

0 $\qquad$
Will "Side-Side-Angle" Work?

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?

0 $\qquad$
0 $\qquad$

