# EQ: SRT.2 How do I determine if two triangles are similar?



### Warm Up:

To prepare for the quiz, take a minute to review your notes and the left-side practices on pages 6-7 and pages 8-9 of

your interactive notebook. Then, self-assess with the following

questions. 1. Do you know how to graph coordinates?

- 2. Do you know how to apply a dilation?
- 3. Do you know how to find the slope of segments?
- 4. Do you know how to find the lengths of segments?
- 5. Do you know how to find ratios?
- 6. Do you know the different properties of dilations?





#### Week 2.Similarity.notebook









# EQ: SRT.2 How do I determine if two triangles are similar?



### Warm Up:

- 1. In your own words, summarize SSS~ and SAS~.
- 2. Draw a picture to illustrate SSS~.
- 3. Draw a picture to illustrate SAS~.

How can you prove that the triangles are congruent?











## EQ: SRT.3 How do I prove triangles similar using AA~?



### Warm Up:

Are the two triangles shown below similar? If so, explain why and write a similarity statement. If not, explain why.













### EQ: SRT.3 How do I prove triangles similar using AA~?



### Warm Up:

Given the diagram below, explain how the two triangles are similar by  $AA^{\sim}$ .



-	ICA: In Class Activity
In Class Activity	Similarity Fold-able
vctivity ICA:	FOLD along the SOLID lines
vity ICA: In Class A	CUT along the DOTTED lines
n Class Acti	You will complete your fold-able using examples and descriptions.
CA: In Class Activity ICA: I	You will also need to draw a picture example for some of the terms.
Class Activity IC	SSS~
Activity ICA: In 0	description of SSS~
Class Activity ICA: In	picture example of SSS~



