



Similar Figures

Student Activity



Name _____

Class _____

6. Are all rectangles similar? Why or why not?

Move to page 2.1.

7. How would you know if the two triangles are similar?

8. Drag the open circles at points I and L .

a. What happens to the figures?

b. What happens to the angle measures?

c. What happens to the numbers in the ratios?

9. Drag the open circles at points I and L until all three ratios are equal to each other (but not equal to 1).

a. What do the numbers in the ratios represent?

b. What is the same about the two triangles?

10. a. Are these two triangles similar? Explain.

b. Use page 2.1 in your .tns file to create another triangle similar to the given triangle. Sketch and label the two triangles. Explain why the two triangles are similar.

11. Are all triangles similar?

12. Some people say the definition of two similar figures could be: Two similar figures are two figures that have the same shape and different size. Is this a good definition? Explain your reasoning.