

 ΔABC and ΔDEF are similar to each other. Similar shapes have the same shape but their sizes may be different.

Move slider to P = 0.5						
Length	Length	Ratio (Express the ratio in its		Angle	Angle	What do you
		simplest form)				observe?
AB =	DE =	AB:DE =	=	$\hat{A} =$	\widehat{D} =	
BC =	EF =	BC:EF =	=	$\hat{B} =$	\widehat{E} =	
CA =	FD =	CA:FD =	=	<i>Ĉ</i> =	$\widehat{F} =$	
Move slider to P = 1.5						
AB =	DE =	AB:DE =	=	$\hat{A} =$	\widehat{D} =	
BC =	EF =	BC:EF =	=	$\hat{B} =$	\widehat{E} =	
CA =	FD =	CA:FD =	=	<i>Ĉ</i> =	$\widehat{F} =$	
Move slider to P = 2						
AB =	DE =	AB:DE =	=	$\hat{A} =$	\widehat{D} =	
BC =	EF =	BC:EF =	=	$\hat{B} =$	\widehat{E} =	
CA =	FD =	CA:FD =	=	<i>Ĉ</i> =	$\widehat{F} =$	

1. Use applet "Investigate similarity of triangles" to complete this activity.

2. What can you say about the relationship between the sides of similar triangles?

3. What can you say about the size of the angles of similar triangles?

4. Put the slider on P = 1. What do you notice? Explain.