Name: _____ *Period:* _____

Lab sheet SS 4.2

	Side Lengths			Angle Measures		
Triangle	**AB**	**BC**	**CA**	**A**	**B**	**C**
A						
B						
C						
D						

Which triangles are similar? How did you use the angle measures and side lengths to identify the similar triangles? _____

_____

_____

_____

_____

Name: _____ *Period:* _____

Lab sheet SS 4.2

B.1.

Triangle	Shortest side	Longest side	Ratio shortest side to longest side	Ratio longest side to shortest side
A				
B				
C				
D				

Triangle	Shortest side	"Middle" side	Ratio shortest side to "middle" side	Ratio "middle" side to shortest side
A				
B				
C				
D				

B.2. How do the ratios of side lengths compare for similar triangles? _____

_____

_____

_____

_____

B.3. How do the ratios of side lengths compare for non- similar triangles? _____

_____

_____

_____

Name: _____ *Period:* _____

Lab sheet SS 4.2 Extension

What is the scale factor between each of the similar triangles?

Triangle	Shortest side	Longest side

Triangle	Ratio shortest side to shortest side	Ratio longest side to longest side	Scale Factor
△ : △			
△ : △			
△ : △			
△ : △			
△ : △			
△ : △			

What information does the scale factor give about two similar figures? _____

_____

_____

_____

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_____