

Name: \_\_\_\_\_ Period: \_\_\_\_\_

### Lab sheet SS 4.1

#### A.1.

Rectangle	Short side	Long side	Ratio short side to long side	Ratio long side to short side
A				
B				
C				
D				

A.2. What do you notice about the ratios for similar rectangles? About the ratios of non-similar rectangles? \_\_\_\_\_

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What is the relationship between the ratios of short sides to long sides compared to the ratios of long sides to short sides? \_\_\_\_\_

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#### A.3.

Rectangle	Scale Factor from smaller to larger	Scale factor from larger to smaller

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

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Name: \_\_\_\_\_ Period: \_\_\_\_\_

**A.4 Compare the information given by scale factor to the information given by ratios of side lengths. What do you notice about ratios of all the similar rectangles? What do you notice about the scale factors of the similar rectangles?** \_\_\_\_\_

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**B.1.**

Parallelogram	Short side	Long side	Ratio short side to long side	Ratio long side to short side
E				
F				
G				

**What is the relationship between the ratios of short sides to long sides compared to the ratios of long sides to short sides?** \_\_\_\_\_

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**B.2. Which of the parallelograms are similar? How do you know?**

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