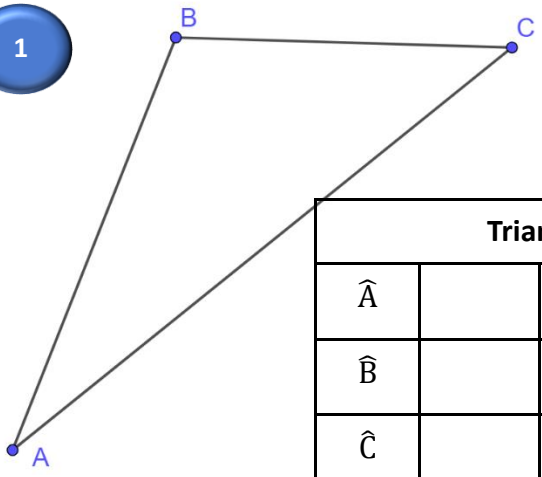
DISCOVERING PROPERTIES OF TRIANGLES

Name: _____ Date: _____ Class: _____

INVESTIGATION 1

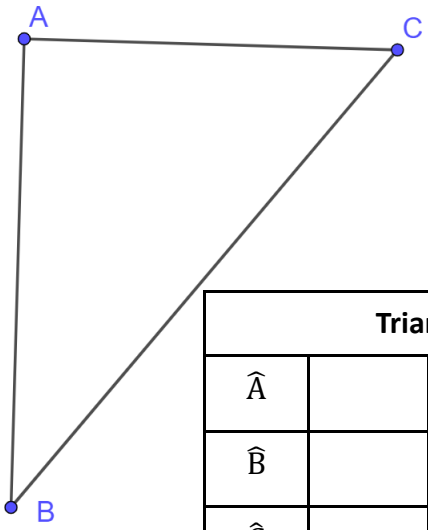
1.1 Use a protractor and ruler to measure the size of each of the **three** angles and length of the sides in your triangles.
Record your measurements in the table below.

1



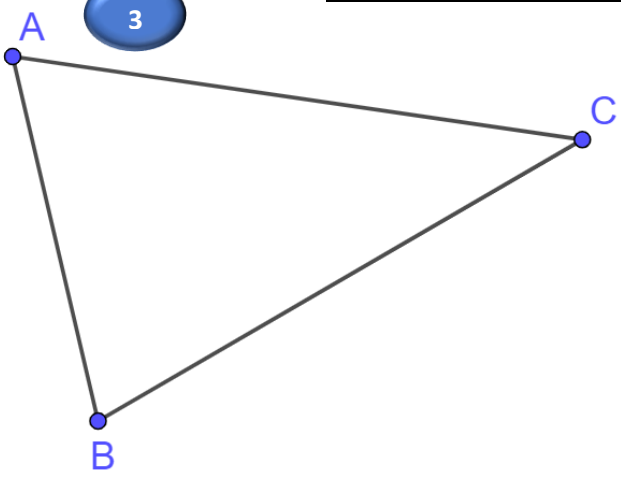
Triangle 1			
$\hat{A}$		**BC**	
$\hat{B}$		**AC**	
$\hat{C}$		**AB**	
Sum			

2



Triangle 2			
$\hat{A}$		**BC**	
$\hat{B}$		**AC**	
$\hat{C}$		**AB**	
Sum			

3



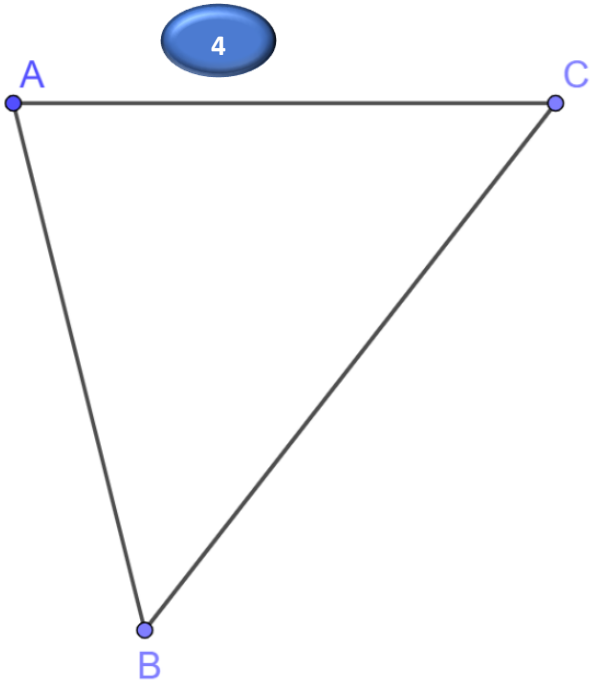
Triangle 3			
$\hat{A}$		**BC**	
$\hat{B}$		**AC**	
$\hat{C}$		**AB**	
Sum			

1.2 What do you notice about the sum of the angles for your three triangles? Write your observation in the space below. Will this be true for any triangle?

INVESTIGATION 2

1.3 Use a protractor and ruler to measure the size of each of the **three** angles and length of the sides in your triangles.
Record your measurements in the table below.

Triangle 4			
$\hat{A}$		**BC**	
$\hat{B}$		**AC**	
$\hat{C}$		**AB**	
Sum			



1.4 What do you notice about the angles and sides of your triangle? Write your observation in the space below.

INVESTIGATION 3

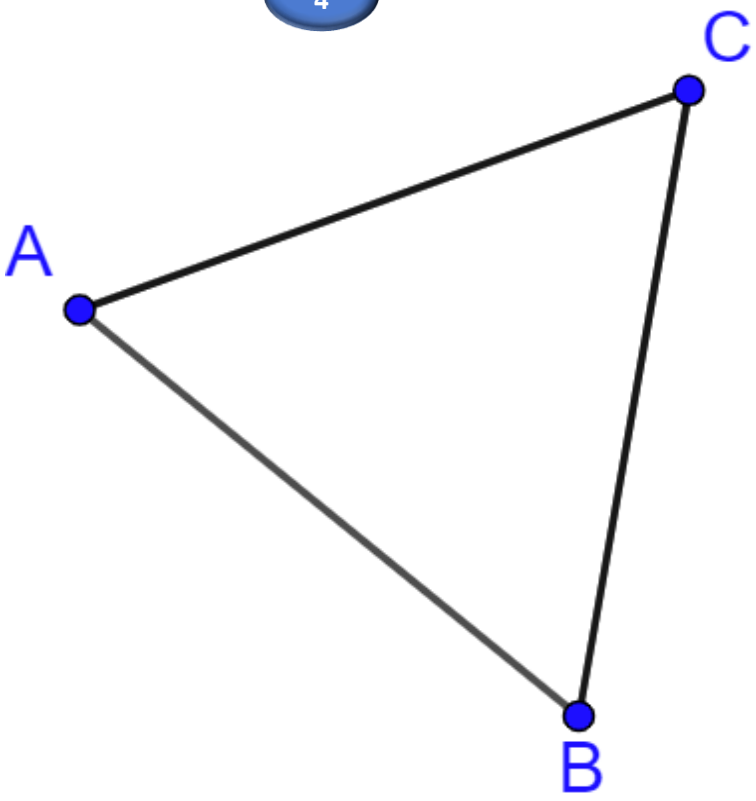
1.5 Use a protractor and ruler to measure the size of each of the **three** angles and length of the sides in your triangles.

Record your measurements in the table below

5

Triangle 5			
$\hat{A}$		**BC**	
$\hat{B}$		**AC**	
$\hat{C}$		**AB**	
Sum			

4



1.6 What do you notice about the angles and sides of your triangle? Write your observation in the space below.