

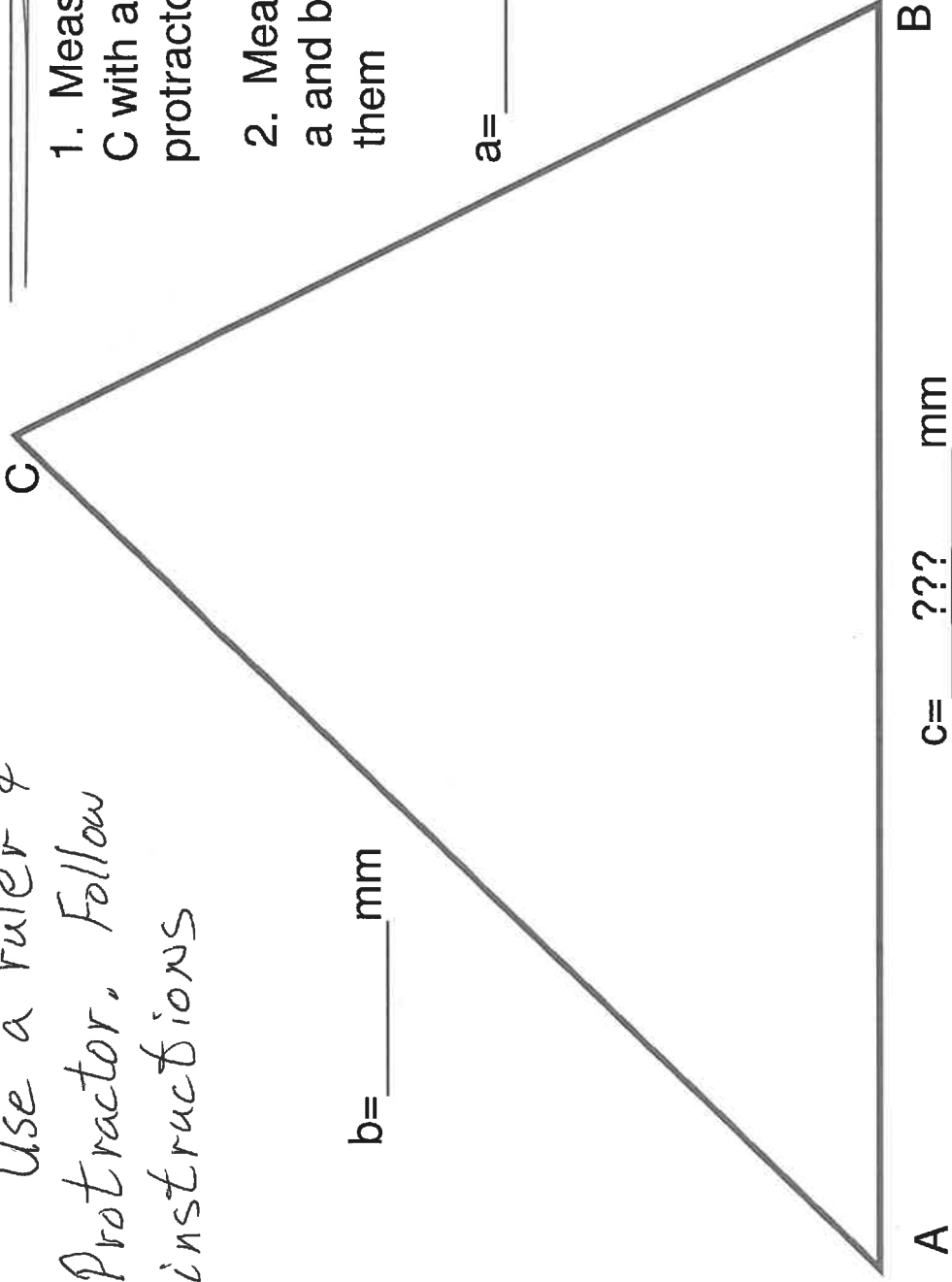
# EXPLORE COSINE LAW

Use a ruler & Protractor. Follow instructions

1. Measure angle C with a protractor: \_\_\_\_\_°
2. Measure lengths a and b and record them

b = \_\_\_\_\_ mm

a = \_\_\_\_\_ mm



3. Now your ruler broke, the dog ate it! What is the length of side c???
4. To find side 'c' use the formula:  
$$c^2 = a^2 + b^2 - 2 * a * b * \cos(C)$$
5. Now measure it and see if it works

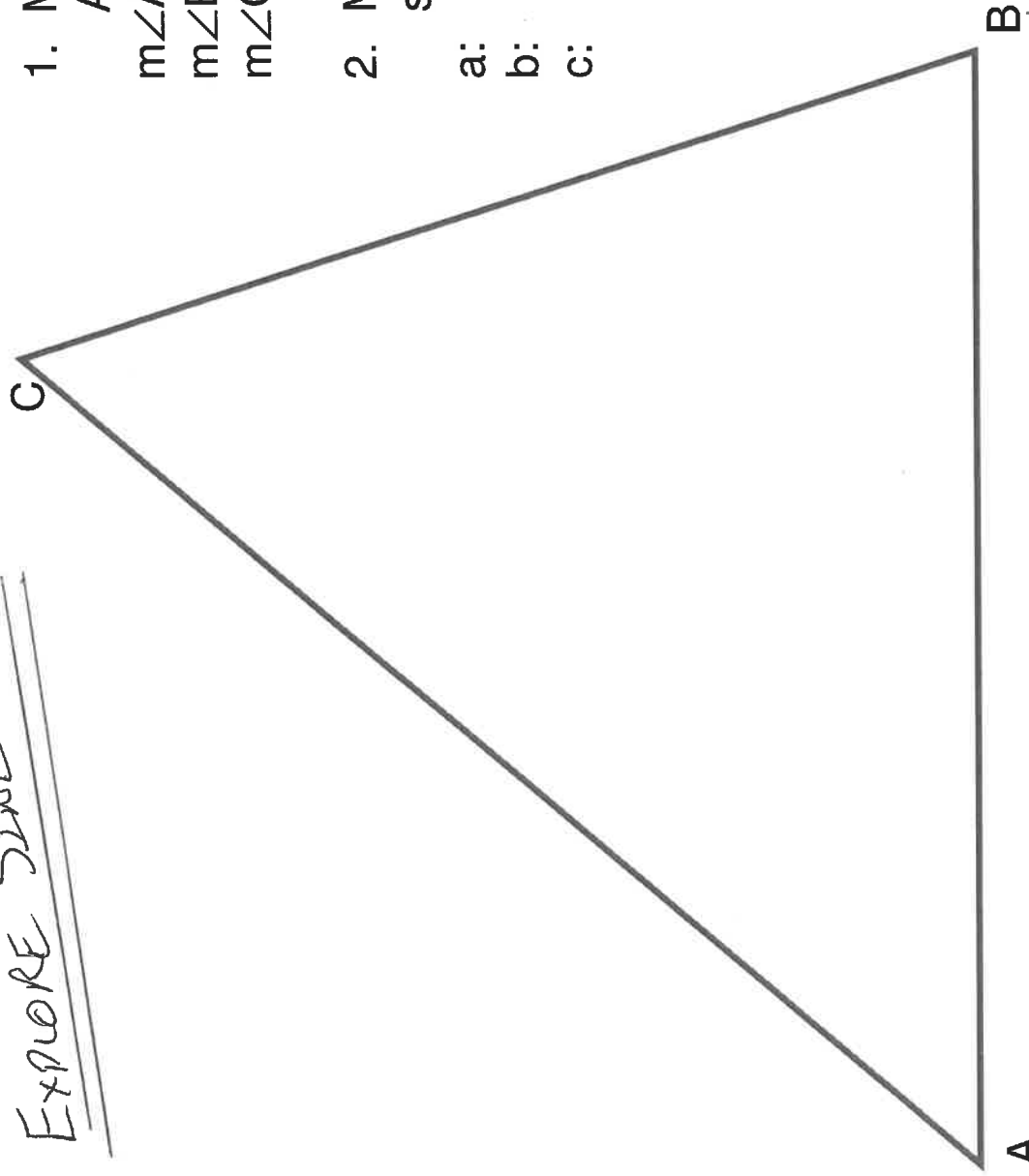
# EXPLORE SINE LAW

1. Measure Angles  
A, B, C

m∠A: \_\_\_\_\_  
m∠B: \_\_\_\_\_  
m∠C: \_\_\_\_\_

2. Measure length of  
sides a, b, & c

a: \_\_\_\_\_  
b: \_\_\_\_\_  
c: \_\_\_\_\_



3. Calculate:  
a / sinA: \_\_\_\_\_  
b / sinB: \_\_\_\_\_  
c / sinC: \_\_\_\_\_

They should be really close!! of your instruments.