**LAB ERROR STATEMENT** (Under the Lab Handout)

It isn’t enough to just tell people what a source of error is! You need to explain how that error impacted your answer by thinking about the math involved.

1. Was your Cbrass too big or too small?
2. Q = mC∆T 🡪 Rearrange the equation to show C =

IF…

 C is too big 🡪 Q might be…
 m might be…
 ∆T might be…

 C is too small 🡪 Q might be…

 m might be…

 ∆T might be…

1. You need to make sure that you always explain which actual LAB ERRORS caused the “math reason” for your answer to #1. This “Sources of Lab Error Statement” should be in the following format:

(*Lab Error*) which caused (*which variable*) to be too (*big or too small?*) which caused the specific heat of brass to be too (*big or too small?*)

Look at your answer to Q#1 and think about the answers to Q#2 and work with your lab group to pick ONE source of lab error that makes sense with your answer to Q#1. Write a “Sources of Lab Error Statement” below.