REPRODUCIBLE

Figure 5.6: The Four Cs to Defending Claims

Why do I and others care?

Imagine the application of the mathematics concept to the real world or create a drawing on paper. Does it elicit emotion? Is it meaningful to you personally? Is it exciting?

Guiding question: Why must I defend this claim? What problem am I solving? What do I ultimately want to express?

What are your criteria?

Identify the criteria that you will use to align, measure, and critically assess your claim.

Guiding question: How will I know when I've successfully defended my claim?

What critical elements are required?

Identify the essential elements that, when brought together, will create the optimal sequence to best visibly express the ideals of the claim I'm making.

Guiding question: How well do these elements connect to successful criteria?

What constraints bind this claim?

Identify constraints that are a part of this claim. Evaluate the materials, resources, and time you have.

Guiding question: How will I leverage constraints to most effectively defend my claim?