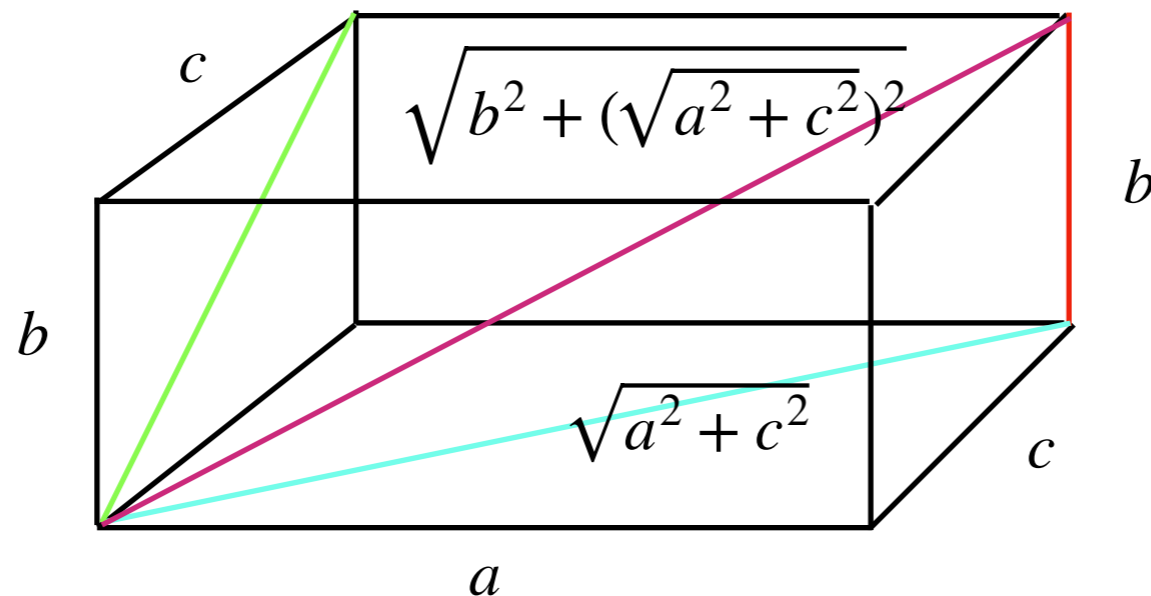


# Today

I. Last Time

II. The Upside of Distraction

III. Metacognition and the Schoenfeld Questions



Alan Schoenfeld, 'The Schoenfeld Questions': What am I doing?  
What's my plan? Or Why I am doing it?  
Where am I? Where am I going?

## Metacognitive questions:

A level of reflection on what you are doing, as opposed to directly doing it.

Experts spend much more time involved in metacognition than novices do. For instance, asking themselves things like the Schoenfeld questions.

Another version of the questions from “Learning to Think Mathematically” A. Schoenfeld, 1992:

What (exactly) are you doing? (Can you describe it precisely?)

Why are you doing it? (How does it fit into the solution?)

How does it help you? (What will you do with the outcome when you obtain it?)