Students in certain professional programs, such as business, often fall through the cracks when it comes to mathematics pathways. They need some algebra, but not necessarily the full sequence that is designed for Calculus-bound students (even when those students have to take business calculus). While quantitative reasoning courses often include some algebra in the form of linear and exponential modeling, that may be insufficient for their needs in their courses on finance and accounting, where algebraic manipulations are necessary.

In this talk I will describe how I included traditional algebraic manipulations in a quantitative reasoning course for business students. The approach taken is consistent with the perspective of quantitative reasoning in terms of constructing meaning and contextualized mathematical experiences. A naïve understanding of APOS theory is used as a theoretical framework. The talk will include preliminary results from research whose goals include defining “grade-level performance” in algebraic manipulations and measuring that grade level for students who complete this course. (Received September 07, 2016)