Developmental Mathematics Students’ Anxiety, Mindset, and Performance in Algebra

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This article explored the impact of students’ mindsets and math anxiety on their performance in developmental mathematics courses, as well as the change in these aspects over time. The research showed that both mindset and mathematics anxiety were correlated to performance on a mathematics test. Yet, although students’ test scores on the algebra readiness test increased significantly, there was little change in either mindset or math anxiety from the beginning of the course to the end of the course. This article helps bring to light the importance of focusing on how factors, such as mindset and math anxiety, may play a role in developmental mathematics education.

Keywords: algebra, developmental mathematics, math anxiety, mathematics mindset

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