

Analysis of secondary school textbooks on trigonometric identities

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Textbooks play a significant role in the teaching and learning of mathematics. They aid teachers in framing their lessons, and students in learning the subject content. In this research, I analysed three Singapore Ministry of Education (MOE) approved Additional Mathematics textbooks to examine the approaches used to develop concepts of trigonometric identities, as well as the cognitive demands of the exercises provided by the textbooks. It was discovered that different textbooks use different approaches for conceptual development and most of the exercise questions are at the basic or intermediate levels.