

ZMATH 2016e.00808

Mokry, Jeanette

Recalling prerequisite material in a Calculus II course to improve student success.

PRIMUS, Probl. Resour. Issues Math. Undergrad. Stud. 26, No. 5, 453-465 (2016).

Summary: This article discusses preparation assignments used in a Calculus II course that cover material from prerequisite courses. Prior to learning new material, students work on problems outside of class involving concepts from algebra, trigonometry, and Calculus I. These problems are directly built upon in order to answer Calculus II questions, allowing students to see connections across the mathematics curriculum. Both students and the instructor can also determine what review material warrants further discussion, so that students can be successful in the Calculus II course. These assignments can be adapted for use in other courses such as Calculus I, multivariable calculus, pre-calculus, and trigonometry.

Classification: I15 D35

Keywords: calculus; review; preparation; retrieval

doi:10.1080/10511970.2015.1104766