Abstract

The abstract should be in the form of a brief and concise statement of the main results or points of view of the paper, without demonstrations and with a minimum of formulae. It should not exceed 100 words and should be compressed, if possible, into a single paragraph. It should be written in the third person. The abstract should be typewritten and in a form suitable for immediate publication in the MONTHLY.

An Iowa study of factors related to instructor effectiveness in first semester calculus based on criterion test with a skills subtest and a concepts subtest. No significant differences in instructor effectiveness were found on manipulative skills. On concepts, instructors with MA+45 or more had greater adjusted student achievement than instructors with only an MA (.05). A similar result was found for instructors with 70 or more graduate hours in mathematics over those with 10-29 hours (.05). Instructors with 6-9 years of college teaching were more effective on concepts than those with 20 or more years (.05). Instructors whose interests included research were more effective on concepts than those with only a teaching interest (.01). No differences based on the number of articles published or the type of institution were found.