Rendiconti del Circolo Matematico di Palermo. Fasc. I. Tomo XLI. Jan.-July, 1916.
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School and Society. Edited by J. McKeen Cattell. Vol. IV. No. 84. Aug. 5, 1916.
Unification of Mathematics in the High School. Pp. 203-212. W. D. Reveve. Oct. 7, 1916.
Unification of Mathematics in the High School. Pp. 561-562. H. C. Wright. Oct. 14, 1916.
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School Science and Mathematics. Edited by C. H. Smith. Vol. XVI. No. 8.

Nov. 1916.
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