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**From geometry to algebra: the Euclidean way with technology.**

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Summary: In this paper, we present the results of an experimental classroom activity, history-based with a phylogenetic approach, to achieve algebra properties through geometry. In particular, we used Euclidean propositions, processed them by a dynamic geometry system and translate them into algebraic special products.

*Classification:* G40 H20 H30 U70

*Keywords:* geometry; algebra; Euclidean propositions; dynamic geometry system; history-based approach  
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