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Elizabeth G. Arnold, Elizabeth A. Burroughs* (burroughs@montana.edu) and **Elizabeth W. Fulton.** *Five types of connections addressing mathematical knowledge for teaching secondary mathematics.*

Robust preparation of future secondary mathematics teachers requires attention to the acquisition of mathematical knowledge for teaching. Many future teachers learn mathematics content primarily through mathematics major courses that are taught by mathematics professors who do not specialize in teacher preparation. What curricular supports could exist to assist mathematics professors in making connections between the content of undergraduate mathematics courses and the content of secondary mathematics? We present an articulation of five types of connections that can be used as part of secondary mathematics teacher preparation. (Received September 16, 2019)