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**SPECIAL THANKS**

**Content Session Descriptions:**

**Quadratic Functions:** This session focuses on the progression of concepts and skills prior to and through high school mathematics for quadratic functions. Participants will discuss common student struggles with functions and interpret those challenges within quadratic functions. Participants will then study tasks and discuss how these tasks address students’ complete understanding of functions, connect to students’ prior learning, and develop conceptual and procedural understanding.

**Statistics and Probability:** This session focuses on the progression of statistics and probability in secondary mathematics. Participants will explore the connections between variation, randomness and chance across 6-12 mathematics. Tasks, resources and instructional practices that support exploratory data analysis in secondary statistics education will be shared with participants as they dive into the content and practice standards for high school Statistics and Probability.

**Trigonometric Functions:** This session focuses on the progression of concepts and skills prior to and through high school mathematics for trigonometric functions. Participants will explore the development of the trigonometric ratios as functions through proportional reasoning. Tasks, resources and instructional practices that support a coherent progression of trigonometric functions in high school mathematics will be shared as participants consider connections and implications for learning.

**Mini Sessions:** These sessions are designed so that teachers and leaders can provide input into new and existing resources seeking to support the implementation of NC Math 1-3. Participants will hear more about the partnership between the NC Department of Public Instruction and the North Carolina Collaborative for Mathematics Learning and ways that we can come together as a mathematics education community to bridge gaps between research and practice.