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Judith E. Hector* (jhector@utk.edu), 500 S. Davy Crockett Pkwy., Morristown, TN , and
Jackie Vogel (vogelj@apsu.edu), Mathematics Box 4226, Clarksville, TN. *Exploring Students’
Mathematical Thinking with Open-Ended Questions.*

Part 1: The National Assessment of Educational Progress (NAEP) is the only nationally representative and continuing assessment of what United States students know and can do in various subject areas, including mathematics. Mathematics has been assessed 10 times beginning in 1973. This session is an audience participation workshop on how to access a rich set of released NAEP items and use them to improve mathematics instruction. The workshop is designed for mathematics educators, preservice teachers and instructors of undergraduate mathematics. Participants will examine actual student responses to open-ended NAEP items, score student responses using a rubric and discuss how instruction might be changed to address student strengths and weaknesses. (Received August 29, 2007)