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WeBWorK CLASS: Using tablets to capture authentic student work for classroom discussion.

WeBWorK CLASS (Collaborative Learning and Active Support System) is created by combining features of the online homework system WeBWorK with a digital whiteboard to enhance formative assessment and in-class problem solving activities using tablets. CLASS facilitates student engagement by offering students authentic problem-solving activities. Students submit their final answers in WeBWorK and the whiteboard area records their written work. From these solutions, the instructor can choose ones that illustrate a misconception, a common error, an elegant solution, etc. and then display these solutions anonymously for discussion in the current or subsequent lesson. In this presentation, we will share how these discussions allow students to gain a deeper understanding of the material and an appreciation for the need of clearly showing one's thought process in the context of learning related rates problems. (Received September 15, 2014)