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Many academic campuses have wireless infrastructure to accommodate information sharing through email and the World Wide Web. However, the academic community has not fully capitalized on the potential for information sharing in the classroom. This presentation demonstrates Desktop Sharing through the existing campus wireless network or a simple wireless network in a mathematics classroom to enhance understanding, idea sharing, and motivation to learn. The professor and students can focus on each other's work in real time, projecting interesting solutions or methodologies to the classroom screen. This promotes information sharing, active learning by allowing students to learn from others' mistakes, and assisting each other with complicated problems. The professor uses the network capabilities to show common mistakes and to discuss successful solution strategies. Such a system is already in practice at the United States Military Academy, and this presentation will discuss the benefits of this interactive, desktop sharing strategy in teaching. This talk will be presented by CPT Chung and CPT Hickman jointly. (Received September 26, 2005)