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**Corey Irving\*** (cfirving@scu.edu). *From WebWork to Edfinity, Making the Transition*. Preliminary report.

We share the experiences of the medium-sized Department of Mathematics and Computer Science at Santa Clara University (SCU) as we incorporate more online homework into our courses. We have used several commercial and open-source systems, but the long term goal is to move to an open-source system. Our first effort used WeBWorK, supported by the MAA and NSF. The system has many great features and worked well for the department at first, but we found it hard to get faculty onboard, mostly due to an onerous user interface. We are currently transitioning to another NSF-supported system, Edfinity, for which we are a beta-testing site. Edfinity is basically a nice front end for WeBWorK. It leverages the WeBWorK infrastructure, in particular the Open Problem Library, but has many additional features that are great for SCU, such as managed hosting, student analytics, and an intuitive product user interface. The transition to online homework and further to open-source online homework has not been trivial, but is really worth the struggle. The goal of the talk is to share our experience moving from WeBWorK to Edfinity. (Received September 25, 2018)