

Using iPads to promote engagement and interaction

Elaine Marzluff, Chemistry

Introduction

The challenges: facilitation of sharing of student work such as diagrams and problem solving

1) In PST 320—a class of 27 in a room with **minimal board space**.

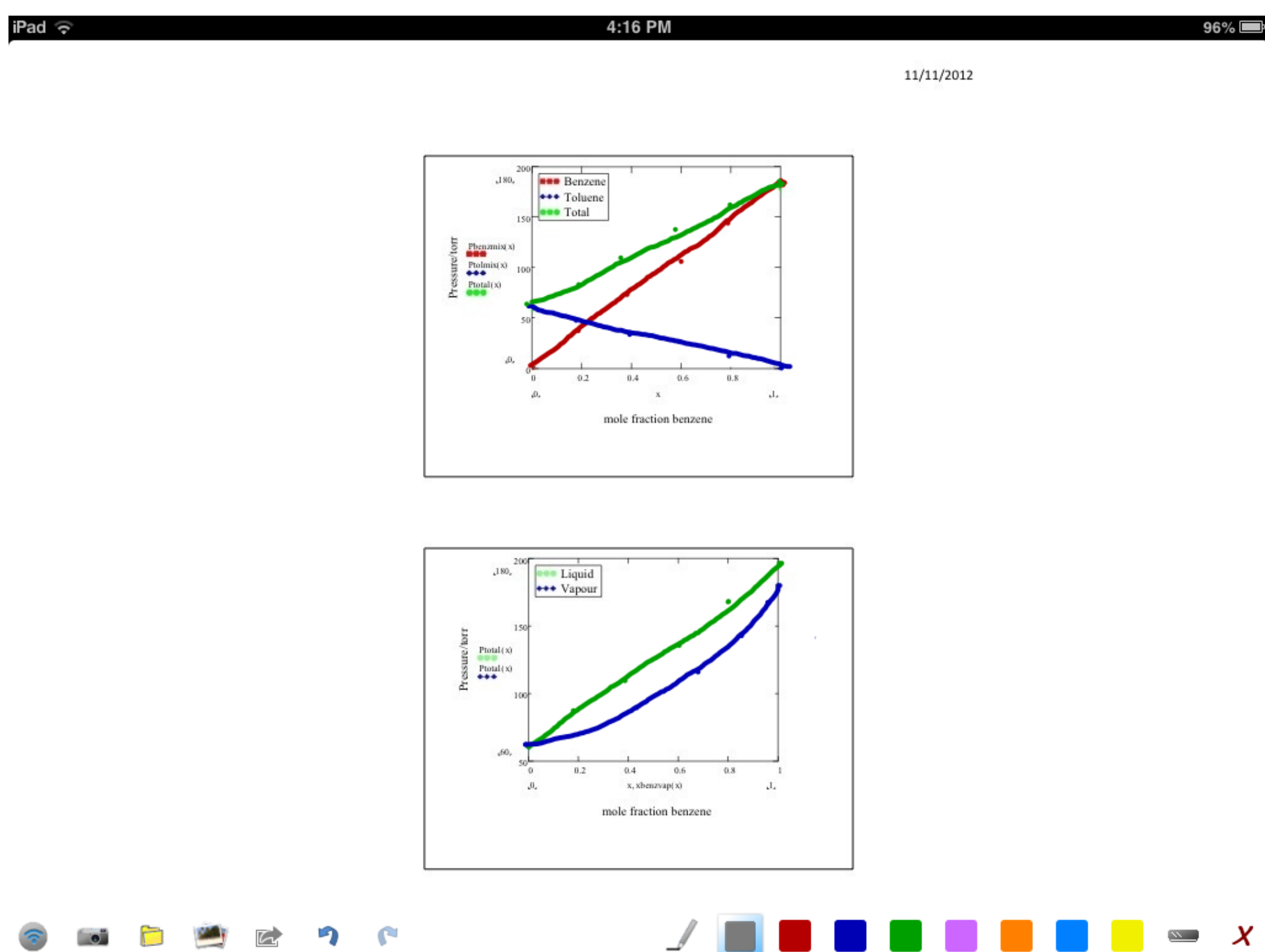
2) In CHM 363—the **extra time required** for students to work problem and transcribe to board. **Students reluctant to work at board**. Classroom layout does not encourage working at board.

A solution: Students do work on iPads that wirelessly connect to computer (or on paper and photograph result for connection to computer for projection)

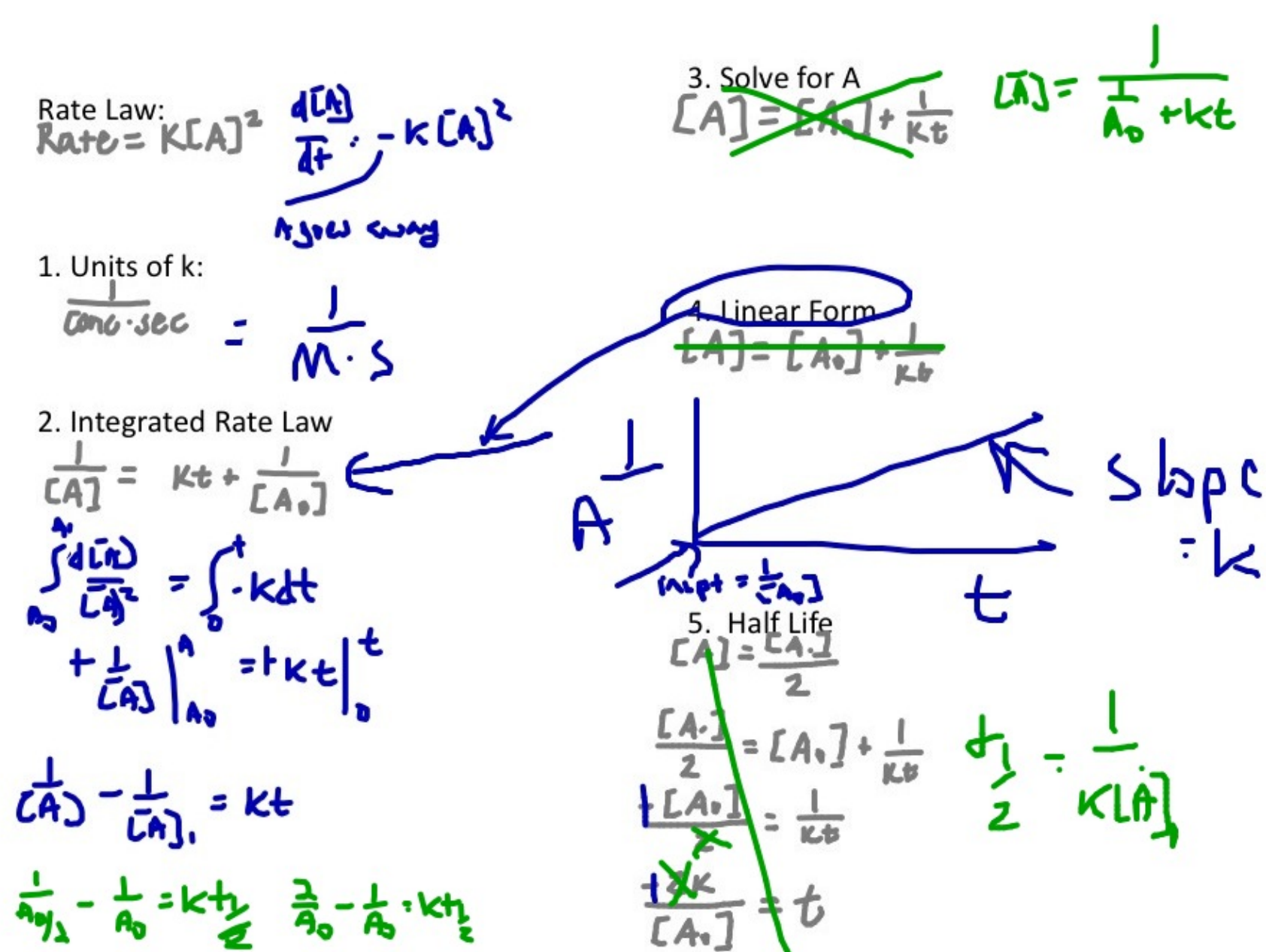
Examples of Student Work

Facilitation: iPads equipped with AirSketch (Grayon, Inc) and Dropbox. Students download activities (pdf format) to open in Airsketch

Screenshot of iPad showing the airsketch interface and student graphs



“Photo” of student work uploaded automatically from iPad



Conclusions

Students enjoyed iPad use

Record of student work in class helpful

Projection technology did not always work seamlessly

Acknowledgements

Thanks to Mike Conner, CTS, for researching iPad applications and iPad setup

Thanks to Grinnell College and ITS for providing iPads for use in class

Thanks to Chemistry 363 Fall 2012 class for patience in experimenting with use