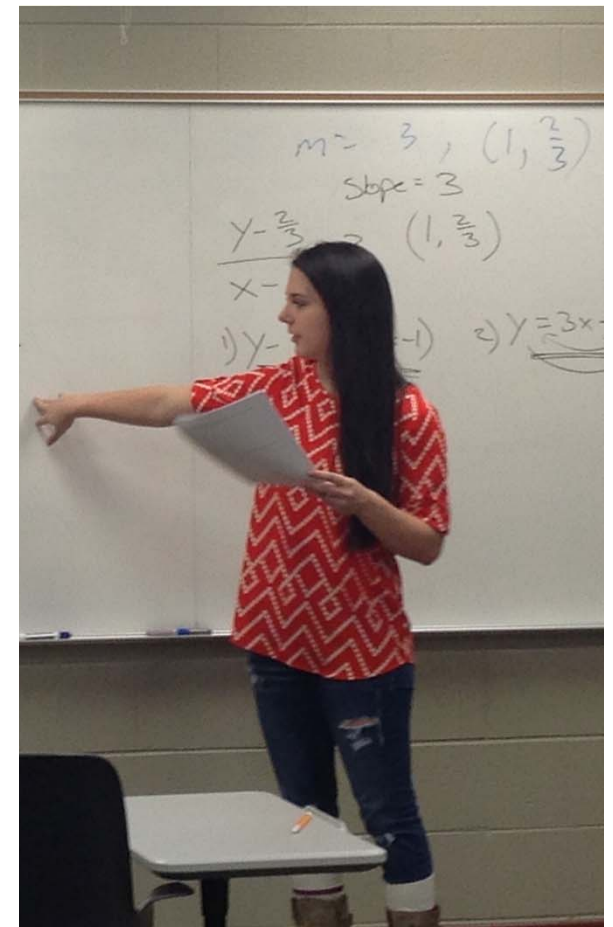


Assessment in a QR course for Business Students

Victor Piercey
Joint Math Meetings 2014
Baltimore MD



Auto Finance Specialist:

“I never was very good at math.”



QUANTITATIVE REASONING FOR BUSINESS

An Inquiry-Based Approach



Course objectives:

1. Formulas
2. Prop'l Reasoning
3. Linear Functions
4. Exponential Functions
5. Problem Solving



QUANTITATIVE REASONING FOR BUSINESS

An Inquiry-Based Approach



About the course:

1. IBL
2. Conceptual
3. Authentic Bus. Prblms
4. Linked with ENGL



Assessment Principles:

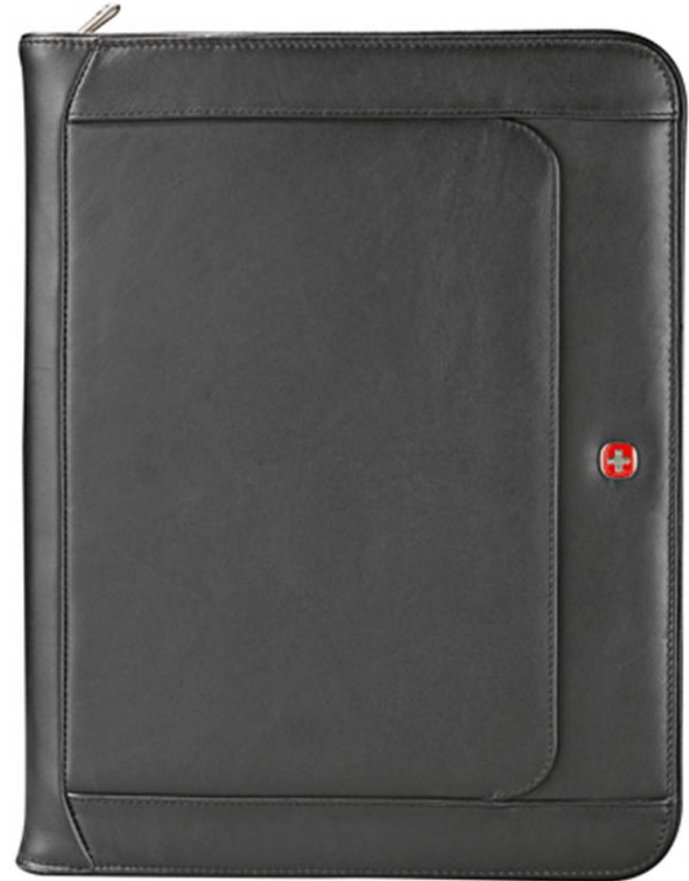
1. Mastery – what is learned by end?
2. Holistic rubrics
3. Meaningful (minimized timed exams)

How did it work??

Explorations and Portfolio

Examples:

1. Fry Efficiency
2. Stock Splits
3. Linearity
4. Exponentiality
5. Credit Card Problem



Capstones

1. Student loan interest deduction
2. Track grades/gpa
3. Tax policy analysis
4. US federal debt



Project

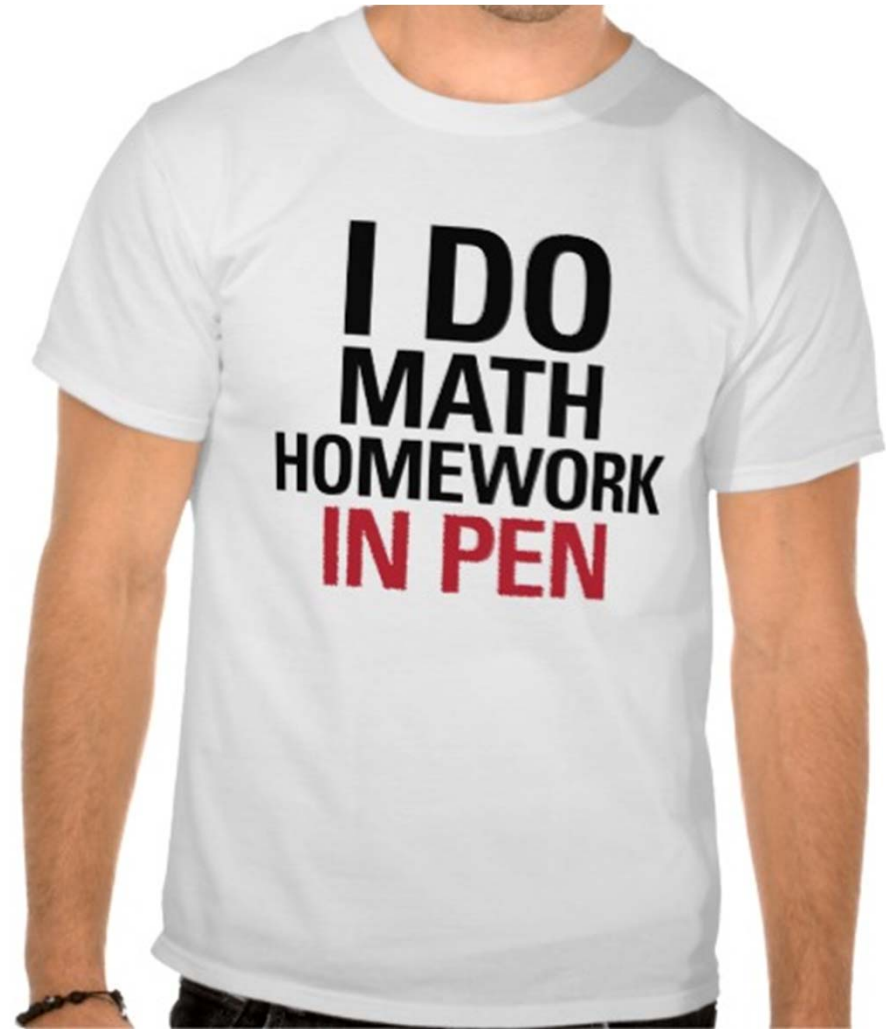
1. Teach yourself something
2. Explain it
3. Solve problems
4. Share your learning





Other

1. HW
2. Exams
3. Group-Quizzes

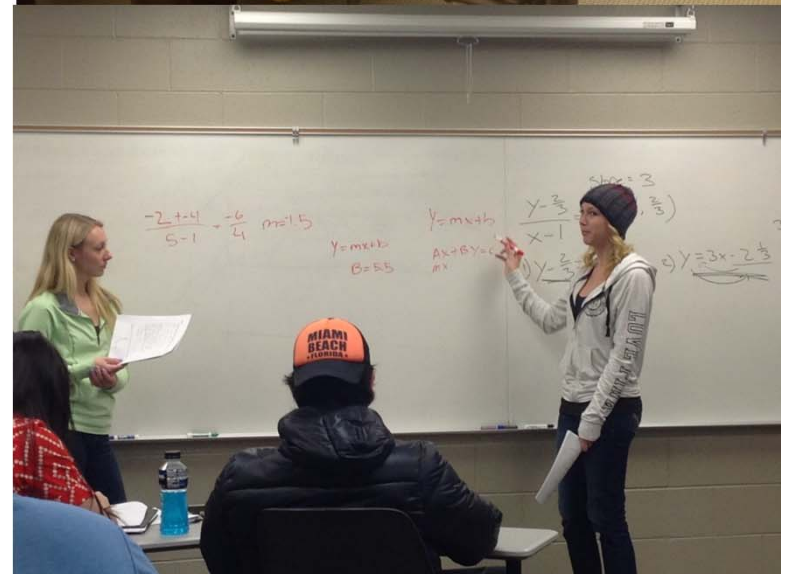
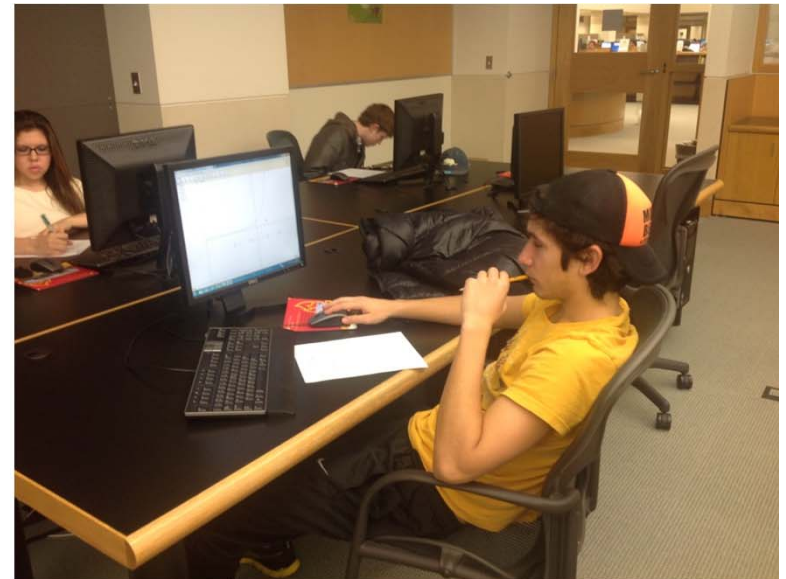


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Informal Assessment





Assessing the Course:

1. Tracking
2. Anxiety/Beliefs

Assessment in the Writing Course:

1. Formula Assignment
2. Career Project
3. US Federal Debt
4. Letters



Student quotes:

“I realized the reasoning behind equations, what it meant and how people put them together.”

“You converted a person who loathed math into someone who finally understands it.”

Student quotes:

“The discussions are amazing and can carry on for days, but by the end, you understand it and you are able to teach it to yourself.”

“The English course fits right together with the Math class ... Who would have thought Math and English could be so adjacent?”

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Future Plans:

1. two courses
2. quant. ethics
3. linked + unlinked

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Future Assessment:

1. tracking/affect
2. QLRA
3. Habits of Mind

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Watch for opportunities!

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