Hieu Huynh

Director of Tutoring Services

University of North Georgia

WHEN?

	MW 5:30 – 6:45 Math 0999	MW 7:00- 8:15 Math 1111 (H-J)	TR 5:30 – 6:45 Math 0999	TR 7:00- 8:15 Math 1111 (J-J)
Spring 16	Hieu	Joe	Joe	Joe
Fall 16	Hieu	Joe	Joe	Joe
Spring 17	Hieu	Joe	Joe	Joe

RESULTS

	H-J Math 1111 Pass rate	J-J Math 1111 Pass rate
Spring 16		
With W's	54%	58%
Fall 16		
With W's	78%	65%
Spring 17		
With W's	68%	63%

	H-J Math 1111 Pass rate	J-J Math 1111 Pass rate
Spring 16		
Without W's	67%	70%
Fall 16		
Without W's	81%	71%
Spring 17		
Without W's	79%	71%

Spring 16 Math 0999

- Study Hall
- Class time was used to answer Math 1111HW questions
- Very little instruction
- No Math 0999 homework
- Review for Math1111

Fall 16 Math 0999

- Regular class (HW, quizzes, tests)
- Breakdown of class time
  - 30 minutes – homework questions
  - 45 minutes – instruction
- Homework (due on test day)
- Five-minute quizzes
- Four tests and a final exam
- Each Math 0999 exam was given on a Monday
- Each Math 1111 exam was given on the following Wednesday
- Math 0999 exam was handed back the following Wednesday
- Review for Math 1111 exam
- Evaluation methods:
  - Quizzes/Homework: 25%
  - Tests: 50%
  - Final Exam: 25%

FIRST WEEK
- (Linear) Equations

$2x - 5 = 3$

$\underline{+5 \qquad +5}$

Legal - yes
Helpful/easier - yes

$2x = 8$

$2x - 5 = 3$

$\underline{+11 \qquad +11}$

Legal - yes
Helpful/easier – eh…

$2x + 7 = 14$

$2x - 5 = 3$

$\underline{\text{Divide by 2}}$

Legal - yes
Helpful/easier – eh…

$x - \frac{5}{2} = \frac{3}{2}$

$2x - 5 = 3$

$\underline{\text{Divide by 7}}$

Legal - yes

Helpful/easier – heck no!

$\frac{2x}{7} - \frac{5}{7} = \frac{3}{7}$

Did you catch my mistake?

$2x + 6 = 14$

$$2x - 5 = 1$$

$$+5 \quad +5$$

$$2x \quad = \quad 6$$

$$\frac{2x}{3} - 5 = 1$$

$$+5 \quad +5$$

$$\frac{2x}{3} \quad = 6$$

$$2x - \frac{5}{3} = 1$$

Get rid of the 3 by multiplying both sides by 3.

$$+\frac{5}{3} \quad +\frac{5}{3}$$

$$6x - 5 \quad = 3$$

$$2x \quad = 1 + \frac{5}{3}$$

$$2x - 5 = \frac{1}{3}$$

$$+5 \quad +5$$

$$2x \quad = \quad \frac{1}{3} + 5$$

$$2x - \frac{5}{2} = \frac{1}{3}$$

$$\frac{2x}{5} - \frac{5}{2} = \frac{1}{3}$$

$$\frac{b}{a}\left(x + \frac{2c}{d}\right) = \frac{1}{3}$$

Memorizing steps vs. Understanding steps/concepts

"Your tests are more difficult than Professor [Joe's] tests."

OTHER FACTORS…

Having two different instructors

Training students on how to ask questions

QUESTIONS?

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Spring 16		
With W's	54%	58%

Spring 17		
With W's	68%	63%

Fall 16		
With W's	78%	65%

YOUR TURN!