

Is There a Relationship Between Exam Review, Sample Test, and Test Performance?

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Introduction

Why Exam Review and Practice Test?

Davis (2009):

PENNSTATE

- ✓ Alleviate exam fears
- ✓ Reduce test anxiety
- ✓ Increase confidence
- ✓ Know exam expectations
- ✓ Help prepare for exam including organizing notes, reviews, etc.
- ✓ Improve performance

Introduction

Why Exam Review and Practice Test?

From Teachers' Perspectives:

- PENNSTATE ✓ Review content for exams
 - Set and review exam questions
 - Weightage of questions based on content taught or covered
 - Answer or clarify questions
 - ✓ Reinforce learning
 - ✓ Satisfaction

Objectives

Determine:

- ✓ If exam review and sample test make a difference in test performance
- The usefulness of exam reviews and sample tests
- Type of questions asked in two different exams:
 - ✓ Memory or recall questions (facts)
 - Critical thinking questions
 - ✓ Application questions
 - ✓ Other

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Methods

Course Description:

- ✓ Upper level (400) level class
- Extension program design delivery
- ✓ 20 students enrolled
- Eight different majors from three different colleges at PSU
- ✓ Junior/senior and graduate students

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Methods

Course Description

✓ Met 2 days (75 minutes each) a week

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2013 NACTA Conference Virginia Tech Each week students were given class materials - PP slides, handouts, and other resources

Assignments included:

- ✓ Extension delivery methods write-up
- ✓ Two presentations
- ✓ <u>Two tests</u>
- ✓ Final project
- ✓ Guest lecture/Extension specialist report

Methods

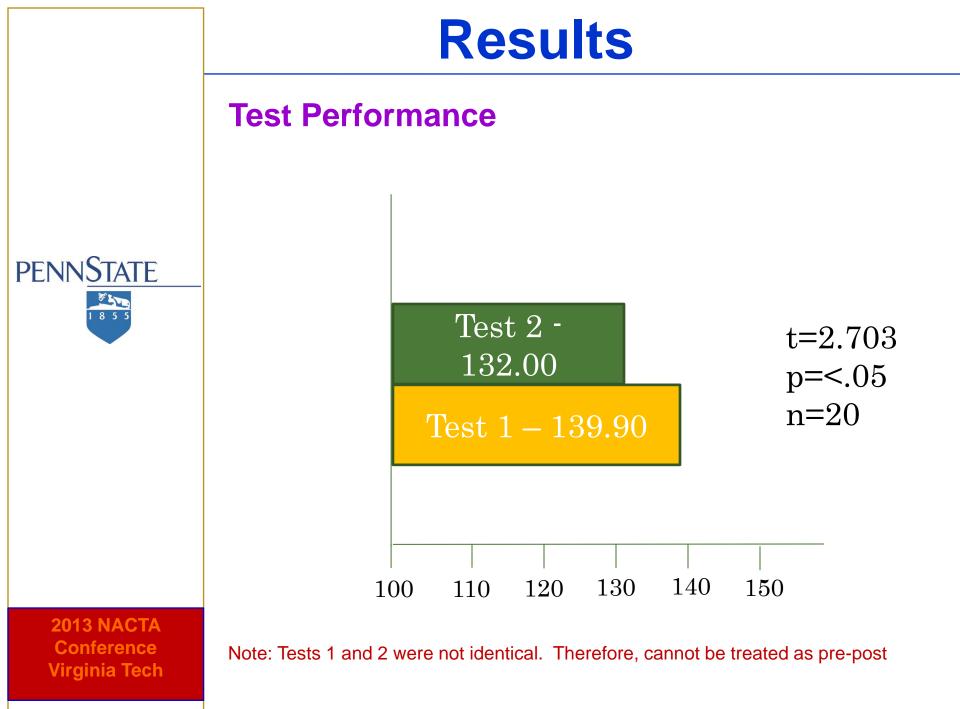
Design and Instrumentation:

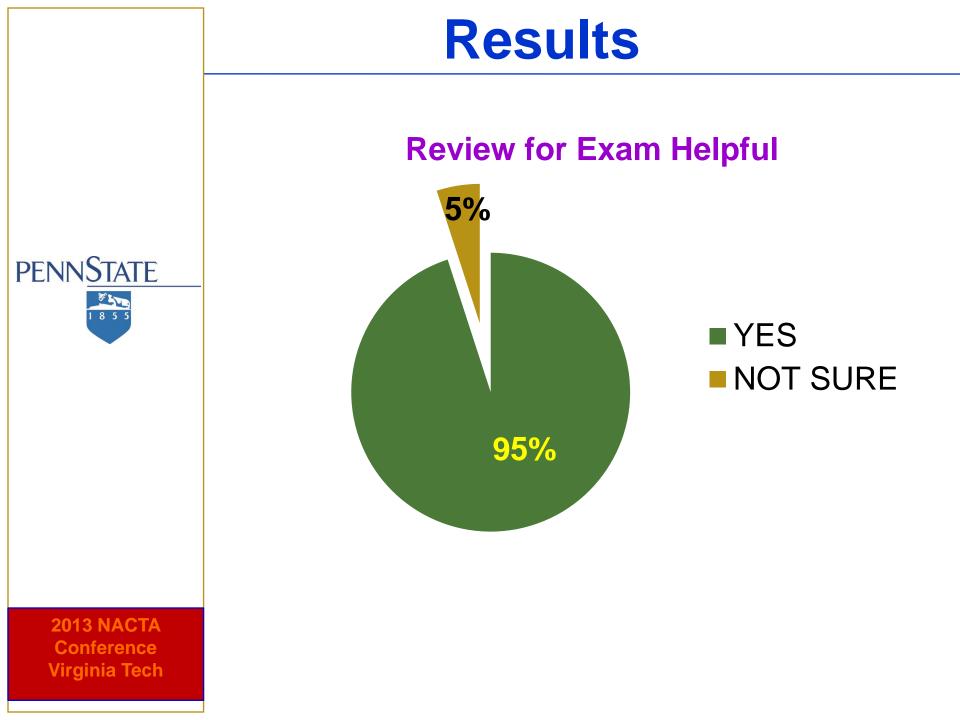
- ✓ Exam 1:
 - ✓ Exam review sheet
 - ✓ Sample test questions

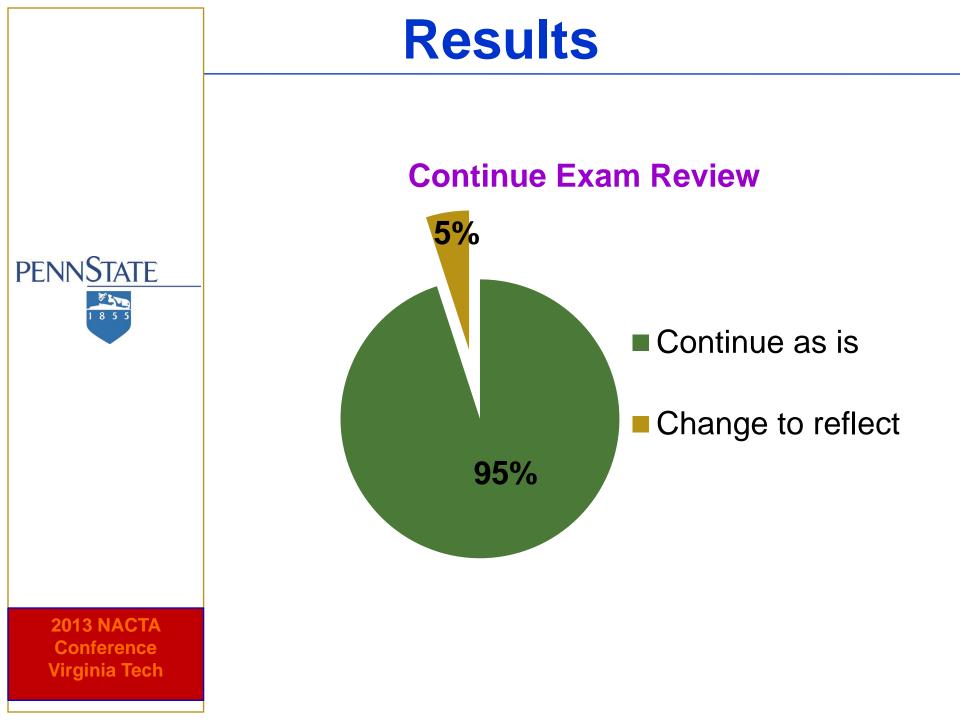
✓ Exam 2:

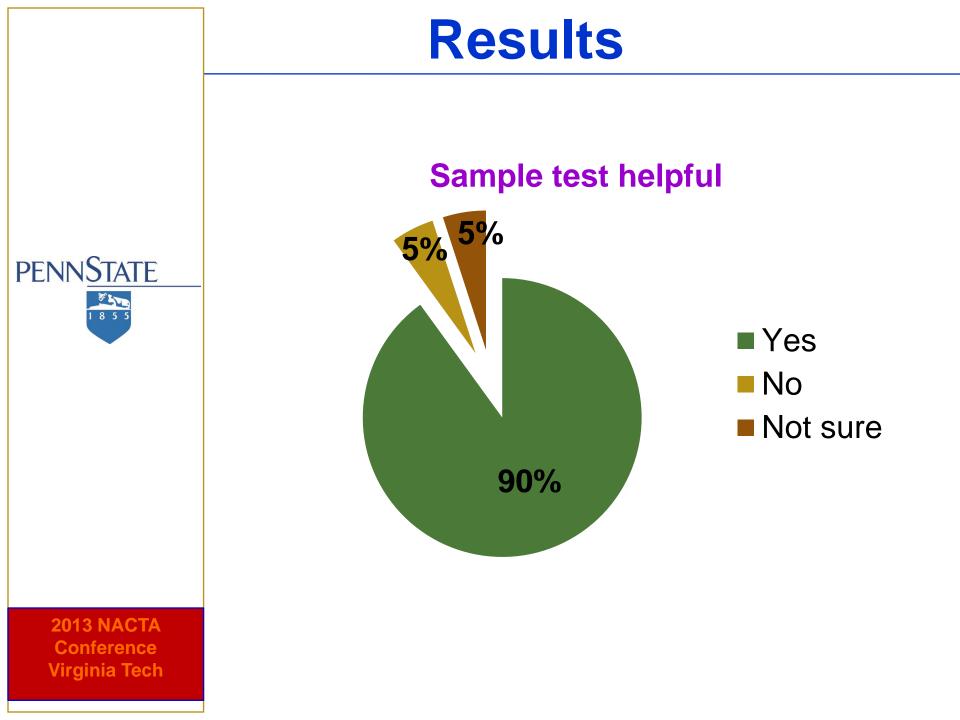
- ✓ No exam review sheet
- ✓ No sample test questions
- ✓ Scores on both exams compared
- ✓ Six-week gap between exams 1 and 2
- ✓ Short survey to elicit:
 ✓ Feedback on question types
 ✓ Usefulness

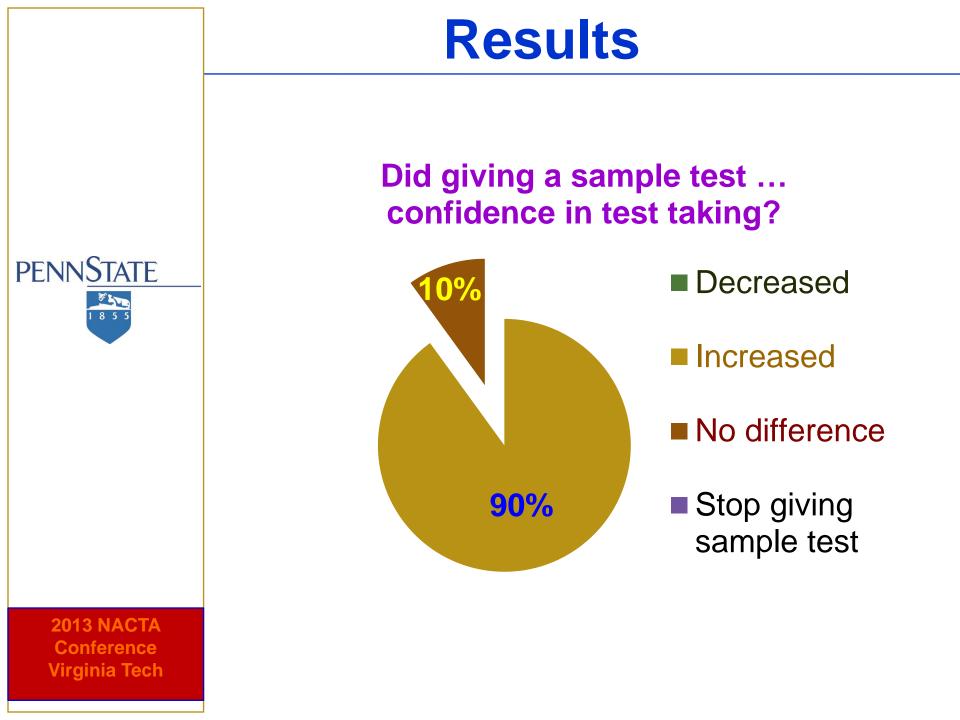




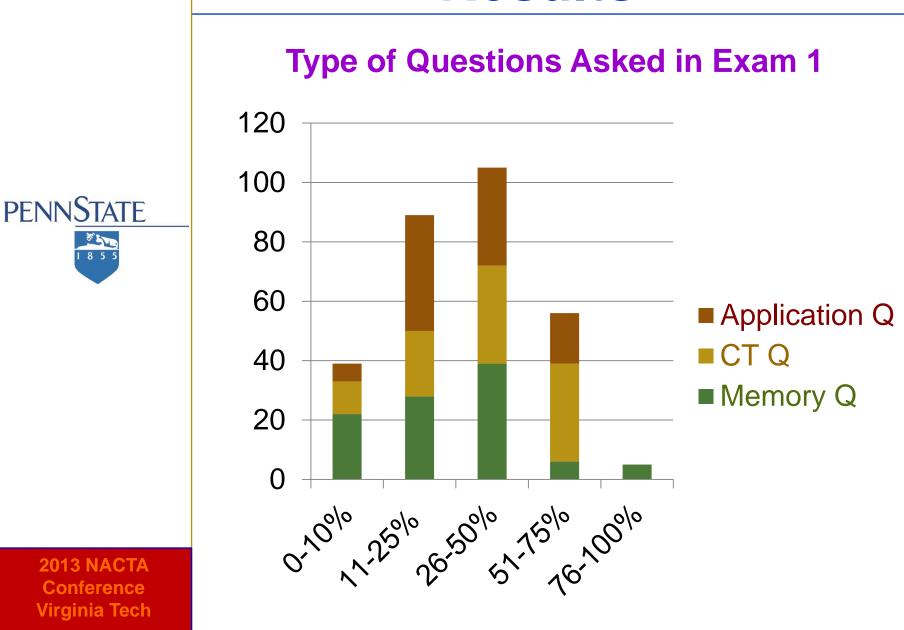




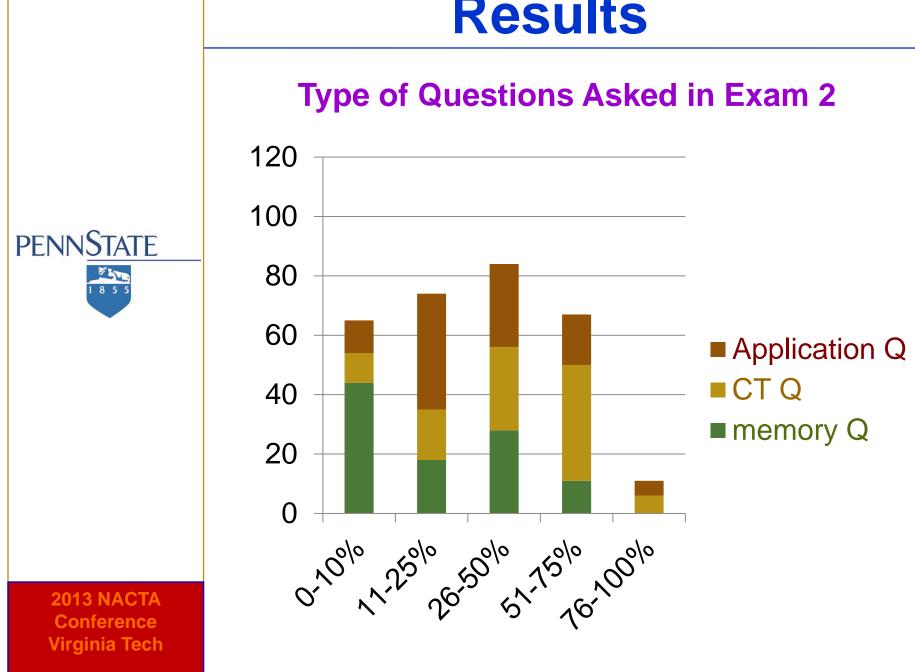




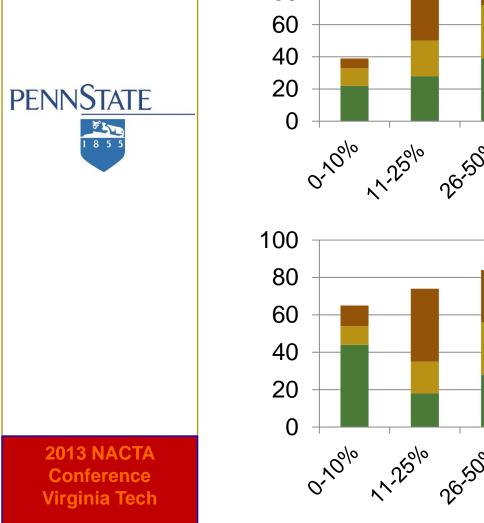


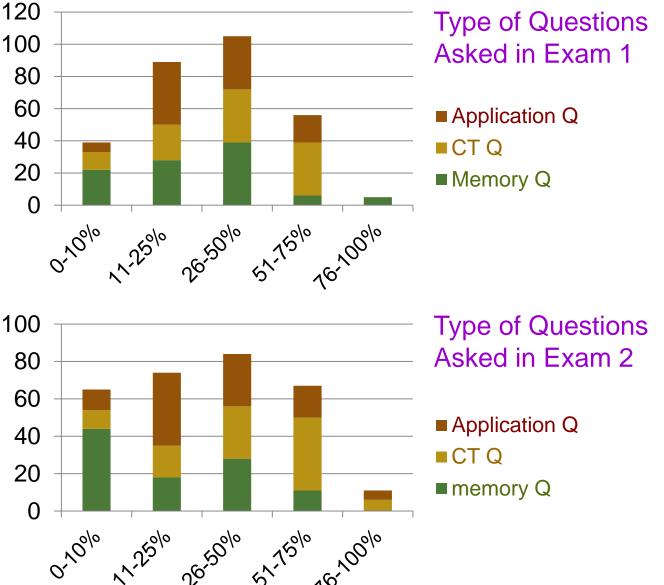






Results





Select Verbatim Comments

- "It helps the students to concentrate well on preparation for exam with quick brush-up."
- "It was helpful to know what topics would be covered on the exam and what type of information you were looking for in your answers."
- "It gave us an orientation about exam and we were mentally prepared for the exam."
- "My scores on both the tests were close, but the first was much higher. It is possible that it is because of the sample test."
- "Not only the sample test helpful, but the review sheets were as well."

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Conclusions



- Test review and practice test do make a difference in test performance
- Test review was helpful and should be continued
- Sample test was helpful and increased students' confidence in test taking
- Students can differentiate between types of test questions
- Overall, test scores and course grades improve

Implications

- ✓ Teachers continue to offer practice exams and exam reviews on a regular basis
 - ✓ Identify topics for further study/review
- Ensure sample test questions reflect actual test questions
- Test questions should measure different levels of Bloom's Taxonomy
- ✓ Teachers should increase students' higherorder thinking by incorporating more higherorder test questions on subsequent tests
- ✓ Use a control group or intact classes to measure change in test performance

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