Quiz
CS 375: Teaching Techniques for Computer Science, Fall 2013

Name:

1. Did you bring a laptop last section? Was it open?

2. Did you have one now? Is it open?

3. According to the Bloom’s studies a two sigma improvement can be gained with what techniques?

4. Two sigma corresponds perhaps to a student performing at the 50th percentile to performing at what level.

5. According to the Gates-sponsored MET study what is the typical range of difference in student performance across teachers in math? in English/Language Arts?

6. They provided a model for predicting a teacher’s future value-add? What factors went into it?

7. What grade level were the students in the MET study?

8. What level of difference in standard deviations corresponds to a year of schooling?

9. Did the Satish like the year of schooling measure? Why or why not?
10. What did the Karpicke Science article on retrieval learning seek to test?

11. What did they find?

12. How is the term metacognition defined in the science article?

13. What did they find about metacognition?

14. According to Karpicke et.al., do students understand what works for them? What, in particular, are they missing, that could be helpful?

15. How might this be related to the “Learn Science” video presented by Derek Muller?

16. Deleting random letters in a text does what to comprehension? What evidence do you have for your opinion?

17. How might you use this information in your teaching?

18. How might you use this information in your learning?